FILE CAPLUS Claim 1

=> d que l33

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L18         172739 SEA FILE=CAPLUS ABB=ON  PLU=ON  FUSION/OBI OR CHIMER?/OBI
L21          25163 SEA FILE=REGISTRY ABB=ON  PLU=ON (AG){1-8}EG/SQSP
L22           4854 SEA FILE=CAPLUS ABB=ON  PLU=ON  L21
L23            434 SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L18
L24            114 SEA FILE=CAPLUS ABB=ON  PLU=ON  L23 AND PY<2001
L27         246792 SEA FILE=CAPLUS ABB=ON  PLU=ON  PROTEIN SEQUENCE#/OBI
L28            101 SEA FILE=CAPLUS ABB=ON  PLU=ON  L24 AND L27
L33             86 SEA FILE=CAPLUS ABB=ON  PLU=ON  L28 AND P/DT
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=> d .ca l8 21-50

L8 ANSWER 21 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:875755 CAPLUS
DOCUMENT NUMBER: 134:41092
TITLE: Compounds and methods for treatment and diagnosis of mycobacterial infections
INVENTOR(S): Visser, Elizabeth
PATENT ASSIGNEE(S): Genesis Research and Development Corporation Limited, N. Z.
SOURCE: U.S., 147 pp., Cont.-in-part of U.S. 5,985,287.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6160093	A	20001212	US 1998-95855	19980611 <--
US 6284255	B1	20010904	US 1996-705347	19960829
US 6001361	A	19991214	US 1997-873970	19970612 <--
US 5985287	A	19991116	US 1997-997362	19971223 <--
US 6406704	B1	20020618	US 1998-205426	19981204
CA 2315539	AA	19990701	CA 1998-2315539	19981223 <--
WO 9932634	A2	19990701	WO 1998-NZ189	19981223 <--
WO 9932634	A3	19991202		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9918936	A1	19990712	AU 1999-18936	19981223 <--
AU 746311	B2	20020418		
BR 9814432	A	20001010	BR 1998-14432	19981223 <--
EP 1044273	A2	20001018	EP 1998-963665	19981223 <--

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

TR 200001948	T2	20010221	TR 2000-200001948		19981223
JP 2002514385	T2	20020521	JP 2000-525553		19981223
NZ 505834	A	20021220	NZ 1998-505834		19981223
IN 188709	A	20021026	IN 2000-CA231		20000419
NO 2000003261	A	20000822	NO 2000-3261		20000622 <--
PRIORITY APPLN. INFO.:			US 1996-705347	A2	19960829
			US 1997-873970	A2	19970612
			US 1997-997362	A2	19971223
			US 1997-996624	A	19971223
			US 1997-997080	A	19971223
			IN 1998-CA242	A	19980216
			US 1998-95855	A2	19980611
			US 1998-156181	A	19980917
			US 1998-205426	A	19981204
			WO 1998-NZ189	W	19981223

ED Entered STN: 14 Dec 2000

AB The present invention provides polypeptides comprising an immunogenic portion of a M. vaccae protein and DNA mols. encoding such polypeptides, together with methods for their use in the diagnosis and treatment of mycobacterial infection. Methods for enhancing the immune response to an antigen including administration of M. vaccae culture filtrate, delipidated M. vaccae cells or delipidated and deglycolipidated M. vaccae cells are also provided.

IC ICM C07K014-35
ICS A61K039-04

INCL 530350000

CC 15-2 (Immunochemistry)
Section cross-reference(s): 3, 9

IT Blood analysis
Blood plasma
Blood serum
DNA sequences
Immunotherapy
Infection
Macrophage
Molecular cloning
Mycobacterium
Mycobacterium avium
Mycobacterium tuberculosis
Mycobacterium vaccae
Neoplasm
Protein sequences
Skin
Tuberculosis
Urine analysis
Vaccines
(Mycobacterium vaccae antigens as vaccine, diagnostic, immunotherapeutic and adjuvant for infection, immunol. disease, and cancer)

IT **Fusion** proteins (**chimeric** proteins)
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Mycobacterium vaccae antigens as vaccine, diagnostic, immunotherapeutic and adjuvant for infection, immunol. disease, and cancer)

IT 204785-65-9 204785-66-0, Antigen 85B (Mycobacterium vaccae fragment) 204785-67-1 204785-82-0 204785-84-2, Antigen GV-24 (Mycobacterium vaccae) 204785-86-4, Antigen GV-25 (Mycobacterium vaccae) 204785-97-7,

Antigen GV-27 (Mycobacterium vaccae N-terminal fragment) 204786-00-5, Antigen GV-27A (Mycobacterium vaccae N-terminal fragment) 204786-01-6, Antigen GV-27B (Mycobacterium vaccae fragment) 228106-68-1, Antigen GV-22B (Mycobacterium vaccae) 228107-02-6, Antigen GV-1/83 (Mycobacterium vaccae) 228107-35-5, Antigen GVs-9 (Mycobacterium vaccae) 228107-42-4, Antigen GV-27 (Mycobacterium vaccae) 228107-43-5 228107-53-7, Antigen GV-24B (Mycobacterium vaccae) 228107-62-8, Antigen GV-38A (Mycobacterium vaccae) 228107-65-1, Antigen GV-38B (Mycobacterium vaccae) 228107-79-7, Antigen GV-33 (Mycobacterium vaccae) 228107-83-3, Antigen GVc-13 (Mycobacterium vaccae) 228107-96-8, Antigen GVs-9 (Mycobacterium vaccae) 228107-99-1, Antigen GV-29 (Mycobacterium vaccae) 228108-01-8, Antigen GV-45 (Mycobacterium vaccae) 228108-08-5, Antigen GV-41B (Mycobacterium vaccae) 228108-12-1, Antigen GV-44 (Mycobacterium vaccae) 228108-14-3 **250277-71-5**
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(amino acid sequence; Mycobacterium vaccae antigens as vaccine, diagnostic, immunotherapeutic and adjuvant for infection, immunol. disease, and cancer)

IT 119939-22-9, Antigen α (Mycobacterium BCG clone pαL-1 precursor reduced) 136108-01-5, Antigen (Mycobacterium tuberculosis 32.0-kilodalton precursor reduced) 145110-35-6, Antigen 85C (Mycobacterium tuberculosis clone 11-2 precursor) 146045-21-8, Antigen 85B (Mycobacterium leprae precursor reduced) 152206-84-3 157908-64-0 204785-69-3, Antigen GVc-7 (Mycobacterium vaccae) 204785-74-0 204785-75-1 204785-76-2 204785-77-3 204785-78-4 204785-80-8 204785-88-6 204785-93-3 204785-95-5 204786-03-8 204786-06-1 204786-07-2 204786-10-7 204786-11-8 204786-15-2 204786-16-3 228105-87-1, Antigen GVc-13 (Mycobacterium vaccae) 228107-33-3, Antigen GV-1/70 (Mycobacterium vaccae) 228107-40-2, Antigen GV-5P (Mycobacterium vaccae) 228107-44-6, Antigen GV-27B (Mycobacterium vaccae) 228107-47-9 228107-48-0 228107-68-4, Antigen GV-41 (Mycobacterium vaccae) 228107-70-8, Antigen GV-42 (Mycobacterium vaccae) 228107-73-1, Antigen GV-44 (Mycobacterium vaccae) 228107-76-4 228111-24-8 228401-90-9 250261-47-3 250277-23-7 250277-25-9 250277-35-1 250277-56-6 313050-89-4 313050-94-1 313050-97-4 313050-99-6 313051-00-2 313051-40-0 313051-41-1 313051-42-2 313051-43-3 313051-44-4 313051-45-5 313051-46-6 313051-47-7 313051-59-1 313051-60-4 313051-61-5 313051-62-6 313051-63-7 313051-69-3 313051-70-6 313051-71-7 313051-72-8 313051-73-9 313051-74-0 313051-88-6 313051-89-7 313051-90-0 313051-91-1 313051-93-3
RL: PRP (Properties)
(unclaimed **protein sequence**; compds. and methods for treatment and diagnosis of mycobacterial infections)

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 22 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:861814 CAPLUS
DOCUMENT NUMBER: 134:26782
TITLE: Identification and characterization of Snf2 related CBP activator protein (SRCAP)
INVENTOR(S): Chrivia, John; Yaciuk, Peter
PATENT ASSIGNEE(S): Saint Louis University, USA
SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000073467	A1	20001207	WO 2000-US14719	20000525 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6365372	B1	20020402	US 2000-579181	20000525
PRIORITY APPLN. INFO.:			US 1999-136620P	P 19990527
			US 2000-579181	A 20000525

ED Entered STN: 08 Dec 2000

AB A protein, SRCAP, a novel SNF2/SWI2 protein family member interacting with CREB-binding proteins, is provided. The protein is capable of co-activating CREB binding protein (CBP) mediated transcription, as well as activating transcription without CBP. SRCAP is a Snf2 family member. As such, it has ATPase activity. Consistent with this activity, SRCAP contains the conserved ATPase domain found within members of the Snf2 family. Transfection expts. demonstrate that SRCAP is able to activate transcription when expressed as a Gal-SRCAP chimera and that SRCAP also enhances the ability of CBP to activate transcription. The adenoviral protein E1A is found to disrupt interaction between SRCAP and CBP possibly representing a mechanism for E1A-mediated transcriptional repression. SRCAP also interacts with NS5A of hepatitis C virus (HCV), and this interaction may have effect on growth regulation of cells infected with HCV through the down-regulation of p21 promoter activity and contribute HCV pathogenesis. Fragments of SRCAP are also provided, as are its cDNA and cDNA fragments. Antibodies that bind to SRCAP are also provided.

IC ICM C12N015-52
ICS C12N015-62; C12N015-11; C12N005-10; C12N009-14; C07K016-40; G01N033-50; G01N033-566; C12Q001-68; A61K038-46

CC 6-3 (General Biochemistry)
Section cross-reference(s): 3, 13

IT Transcription factors
RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)
(GAL4, **fusion** product with SRCAP; cloning and sequence of transcription factor SRCAP which interacts with CREB-binding protein)

IT **Protein sequences**
cDNA sequences
(identification and characterization of Snf2 related CBP activator protein (SRCAP))

IT **Fusion** proteins (**chimeric** proteins)
RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)
(of GAL4 and SRCAP; cloning and sequence of transcription factor SRCAP which interacts with CREB-binding protein)

IT **311824-07-4 311824-09-6**
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(amino acid sequence; cloning and sequence of transcription factor SRCAP which interacts with CREB-binding protein)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

L8 ANSWER 23 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:861803 CAPLUS
DOCUMENT NUMBER: 134:26110
TITLE: Human secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Ashkenazi, Avi J.; Baker, Kevin P.; Botstein, David; Desnoyers, Luc; Eaton, Dan L.; Ferrara, Napoleone; Fong, Sherman; Gerber, Hanspeter; Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul J.; Grimaldi, Christopher J.; Gurney, Austin L.; Kljavin, Ivar J.; Napier, Mary A.; Pan, James; Paoni, Nicholas F.; Roy, Margaret Ann; Stewart, Timothy A.; Tumas, Daniel; Watanabe, Colin K.; Williams, P. Mickey; Wood, William I.; Zhang, Zemin
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 935 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000073454	A1	20001207	WO 2000-US8439	20000330 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NZ 528704	A	20050225	NZ 1999-528704	19990308
WO 9963088	A2	19991209	WO 1999-US12252	19990602 <--
WO 9963088	A3	20010329		
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CA 2450824	AA	20000420	CA 1999-2450824	19991005 <--
EP 1466977	A1	20041013	EP 2004-7618	19991202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
NZ 523206	A	20041224	NZ 2000-523206	20000211
NZ 523207	A	20041224	NZ 2000-523207	20000211
JP 2004513602	T2	20040513	JP 2000-603377	20000218
NZ 517395	A	20040130	NZ 2000-517395	20000309
EP 1210418	A1	20020605	EP 2000-916675	20000330
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EP 1212417	A2	20020612	EP 2000-939307	20000517
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AU 2000051527 A5 20010102 AU 2000-51527 20000519
WO 2000077037 A2 20001221 WO 2000-US14042 20000522 <--
WO 2000077037 A3 20020228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
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JP 2003529324 T2 20031007 JP 2001-503894 20000522
EP 1185648 A2 20020313 EP 2000-941164 20000530
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2003524406 T2 20030819 JP 2001-500672 20000530
AU 2000063910 A5 20010219 AU 2000-63910 20000728
WO 2001040464 A1 20010607 WO 2000-US22031 20000811
WO 2001040464 C1 20010628
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
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AU 2000069018 A5 20010612 AU 2000-69018 20000811
WO 2001016319 A2 20010308 WO 2000-US23522 20000823
WO 2001016319 A3 20011004
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AU 2000070793 A5 20010326 AU 2000-70793 20000823
EP 1208201 A2 20020529 EP 2000-959474 20000823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL
CA 2481685 AA 20010308 CA 2000-2481685 20000824
CA 2481691 AA 20010308 CA 2000-2481691 20000824
CA 2481731 AA 20010308 CA 2000-2481731 20000824
CA 2481756 AA 20010308 CA 2000-2481756 20000824
CA 2481788 AA 20010308 CA 2000-2481788 20000824
EP 1208202 A2 20020529 EP 2000-964919 20000824
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL
AU 2000075730 A5 20010326 AU 2000-75730 20000831
WO 2001049715 A2 20010712 WO 2000-US30952 20001108
WO 2001049715 A3 20020404
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,

YU, ZA, ZW
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AU	2001019167	A5	20010716	AU 2001-19167	20001108
EP	1244784	A2	20021002	EP 2000-982096	20001108

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

WO	2001068848	A2	20010920	WO 2001-US6520	20010228
WO	2001068848	A3	20020829		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP	1259614	A2	20021127	EP 2001-945919	20010228

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US	2002058309	A1	20020516	US 2001-866028	20010525
US	6642360	B2	20031104		
CA	2419541	AA	20020228	CA 2001-2419541	20010530
JP	2004520811	T2	20040715	JP 2002-522282	20010530
US	2003060612	A1	20030327	US 2001-888257	20010622
US	2003045693	A1	20030306	US 2001-903749	20010711
AU	758921	B2	20030403	AU 2001-57764	20010801
AU	759004	B2	20030403	AU 2001-57765	20010801
US	2003055224	A1	20030320	US 2001-929769	20010814
US	6914130	B2	20050705		
CA	2420193	AA	20020228	CA 2001-2420193	20010823
US	2002161199	A1	20021031	US 2001-938418	20010823
JP	2004520810	T2	20040715	JP 2002-522275	20010823
US	2002102647	A1	20020801	US 2001-944449	20010830
US	2002110859	A1	20020815	US 2001-944457	20010830
US	6734288	B2	20040511		
US	2002132981	A1	20020919	US 2001-944396	20010830
US	2002142958	A1	20021003	US 2001-943762	20010830
US	2002142419	A1	20021003	US 2001-944432	20010830
US	2002150976	A1	20021017	US 2001-943851	20010830
US	2002156004	A1	20021024	US 2001-944413	20010830
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ED Entered STN: 08 Dec 2000

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Thus, 135 cDNA sequences encoding human secreted and/or transmembrane proteins are identified by extracellular domain homol. screening, amylase screening, and a signal sequence algorithm to identify novel polypeptides. The proteins exhibit various biol. activities useful for diagnostic and therapeutic applications. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IC ICM C12N015-12
ICS C07K014-47; C07K014-705; C12N015-62; C07K016-18; G01N033-53;

A61K038-17
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; human secreted and transmembrane polypeptides and nucleic acids encoding the same)
IT Antibodies
Fusion proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(human secreted and transmembrane polypeptides and nucleic acids encoding the same)
IT **Protein sequences**
(of human secreted and transmembrane polypeptides)
IT 185260-79-1P 185915-99-5P 207624-44-0P, BS106 protein (human fragment) 209859-03-0P 209859-57-4P 212704-82-0P 212705-30-1P 212838-47-6P 213468-10-1P 213468-15-6P 217795-43-2P, Protein (human clone HP10230) 217795-45-4P, Protein (human clone HP10408) 217795-48-7P, Protein (human clone HP10419) 218948-50-6P 220706-50-3P 221216-74-6P 221878-72-4P 222190-03-6P 222614-92-8P 222618-83-9P 223415-76-7P, Protein PRO358 (human clone DNA47361) 224301-63-7P 226934-88-9P, Protein PRO361 (human clone UNQ316) 227792-85-0P 229477-07-0P 235088-04-7P 242795-00-2P 242796-00-5P 243122-35-2P 243646-92-6P, Protein (human prostate 371-amino acid) 243976-42-3P 244004-81-7P 244028-85-1P 249610-95-5P 251314-72-4P, Protein (human clone 586271 gene Lng107) 251929-74-5P 251929-75-6P 252049-74-4P 252049-78-8P 252049-80-2P 252049-82-4P 252049-85-7P 252049-87-9P 252049-94-8P 252050-03-6P 252050-18-3P 252050-21-8P 252050-24-1P 252050-28-5P 252050-31-0P 252050-35-4P 252050-39-8P 252050-43-4P 252050-49-0P 252050-53-6P 252050-55-8P 252050-58-1P 252050-63-8P 252050-75-2P 252050-78-5P 252050-83-2P 252050-85-4P 252050-88-7P 252050-92-3P 252051-00-6P 252051-07-3P 252051-18-6P 252051-27-7P 252051-29-9P 252051-32-4P 252051-35-7P 252051-38-0P 252051-40-4P 252051-45-9P 252051-48-2P 252051-54-0P 252051-56-2P 252051-59-5P 252051-62-0P 252051-66-4P 252051-68-6P 252052-09-8P 252193-66-1P 252196-55-7P 252196-58-0P 252196-62-6P 252196-69-3P 252196-77-3P 252196-79-5P 252196-81-9P 252196-83-1P 252196-85-3P 252196-88-6P 252196-92-2P 252196-94-4P 252196-96-6P 252196-98-8P 252197-00-5P 252197-03-8P 252197-05-0P 252197-08-3P 252197-10-7P 252197-14-1P 252197-20-9P 252197-23-2P 252197-34-5P 252197-37-8P 252197-41-4P 252197-45-8P 252197-48-1P 252197-51-6P 252197-53-8P 252197-76-5P **252197-85-6P** 252197-91-4P 252197-95-8P 252197-98-1P 252198-02-0P 252198-17-7P 252198-22-4P 252198-24-6P 252198-28-0P 252198-32-6P 252198-43-9P 252198-51-9P 252199-20-5P 252199-51-2P 252199-54-5P 253419-20-4P 307356-17-8P 310909-22-9P 311820-96-9P 311820-98-1P 311821-00-8P 312333-86-1P 312333-93-0P 312333-96-3P 312334-01-3P 312334-03-5P 312334-09-1P 312334-11-5P 312334-18-2P 312334-23-9P 312334-27-3P, Protein PRO185 (human clone DNA28503) 312334-30-8P, Protein PRO5723 (human clone DNA82361) 312334-32-0P, Protein PRO3301 (human clone DNA88002) 312334-34-2P, Protein PRO9940 (human clone DNA92282)
RL: ANT (Analyte); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; human secreted and transmembrane polypeptides and nucleic acids encoding the same)
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 24 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:772766 CAPLUS
DOCUMENT NUMBER: 133:330556
TITLE: Genome sequence and polypeptides of Pyrococcus abyssi and their uses
INVENTOR(S): Forterre, Patrick; Thierry, Jean-Claude; Prieur, Daniel; Dietrich, Jacques; Lecompte, Odile; Querellou, Joel; Weissenbach, Jean; Saurin, William; Heilig, Roland; Flament, Didier; Raffin, Jean-Paul; Henneke, Ghislaine; Gueguen, Yannick; Rolland, Jean-Luc
PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique (CNRS), Fr.; Institut Francais de Recherche pour l'Exploitation de la Mer - IFREMER
SOURCE: PCT Int. Appl., 1403 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000065062	A2	20001102	WO 2000-FR1065	20000421 <--
WO 2000065062	A3	20020214		
WO 2000065062	C2	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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EP 1196583	A2	20020417	EP 2000-922717	20000421
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
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PRIORITY APPLN. INFO.:
FR 1999-5034 A 19990421
WO 2000-FR1065 W 20000421

ED Entered STN: 03 Nov 2000

AB The invention relates to the genome sequence of Pyrococcus abyssi strain Orsay, the 807 open reading frame nucleotide sequences coding for polypeptides of P. abyssi such as polypeptides involved in metabolism or in the replication process, in addition to vectors including said sequences and cells transformed by said vectors. Replication factor C (large and small forms resulting from intein splicing),PCNA (proliferating cell nuclear antigen), DNA polymerase II large and small subunits, replication factor A, and DNA polymerase I were isolated and characterized by recombinant cloning in Escherichia coli. The invention also relates to methods using said nucleic acids or polypeptides, especially biosynthesis methods or biodegrdn. methods for mols. of interest and to kits comprising said polypeptides.

IC ICM C12N015-31
ICS C12N015-54; C12N015-55; C12N015-57; C12N015-60; C12N015-61; C12N015-62; C07K014-195; C07K019-00; C12N009-10; C12N009-12; C12N009-14; C12N009-16; C12N009-48; C12N009-88; C12N009-90;

C12P001-00; C12P019-34; C12Q001-68; C12N001-21

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 10

ST Pyrococcus abyssi genome proteome sequence; gene sequence Pyrococcus abyssi; **protein sequence** Pyrococcus abyssi

IT DNA sequences
Genome
Molecular cloning
Protein sequences
Pyrococcus abyssi
(genome sequence and polypeptides of Pyrococcus abyssi and their uses)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(genome sequence and polypeptides of Pyrococcus abyssi and their uses)

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RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; genome sequence and polypeptides of Pyrococcus abyssi and their uses)

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302866-28-0 302866-29-1 302866-30-4 302866-31-5 302866-32-6
302866-33-7 302866-34-8 302866-35-9 302866-36-0 302866-37-1
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302866-63-3 302866-64-4 302866-65-5 302866-66-6 302866-67-7
302866-68-8 302866-69-9 302866-70-2 302866-71-3 302866-72-4
302866-73-5 302866-74-6 302866-75-7 302866-76-8 302866-77-9
302866-78-0 302866-79-1 302866-80-4 302866-81-5 302866-82-6
302866-83-7 302866-84-8 302866-85-9 302866-86-0 302866-87-1
302866-88-2 302866-89-3 302866-90-6 302866-91-7 302866-92-8
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302867-13-6 302867-14-7 302867-15-8 302867-16-9 302867-17-0
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302867-23-8 302867-24-9 302867-25-0 302867-26-1 302867-27-2
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302867-52-3 302867-53-4 302867-54-5 302867-55-6 302867-56-7
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302867-72-7 302867-73-8 302867-74-9 302867-75-0 302867-76-1
302867-77-2 302867-78-3 302867-79-4 302867-80-7 302867-81-8
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; genome sequence and polypeptides of Pyrococcus abyssi and their uses)

IT 302870-15-1 302870-16-2 302870-17-3 302870-18-4 302870-19-5

302870-20-8 302870-21-9 302870-22-0 302870-23-1 302870-24-2
302870-25-3 302870-26-4 302870-27-5 302870-28-6 302870-29-7
302870-30-0 302870-31-1 302870-32-2 302870-33-3 302870-34-4
302870-35-5 302870-36-6 302870-37-7 302870-38-8 302870-39-9
302870-40-2 302870-41-3 302870-42-4 302870-43-5 302870-44-6
302870-45-7 302870-46-8 302870-47-9 302870-48-0 302870-49-1
302870-50-4 302870-51-5 302870-52-6 302870-53-7 302870-54-8
302870-55-9 **302870-56-0** 302870-57-1 302870-58-2
302870-59-3 302870-60-6 302870-61-7 302870-62-8 302870-63-9
302870-64-0 302870-65-1 302870-66-2 302870-67-3 **302870-68-4**
302870-69-5 302870-70-8 302870-71-9 302870-72-0 302870-73-1
302870-74-2 302870-75-3 302870-76-4 302870-77-5 302870-78-6
302870-79-7 302870-80-0 302870-81-1 302870-82-2 302870-83-3
302870-84-4 302870-85-5 302870-86-6 302870-87-7 302870-88-8
302870-89-9 302870-90-2 302870-91-3 302870-92-4 302870-93-5
302870-94-6 302870-95-7 302870-96-8 302870-97-9 302870-98-0
302870-99-1 302871-00-7 302871-01-8 302871-02-9 302871-03-0
302871-04-1 302871-05-2 302871-06-3 302871-08-5 302871-09-6
302871-10-9 302871-11-0 302871-12-1 302871-13-2 302871-14-3
302871-15-4 302871-16-5 302871-17-6 302871-18-7 303339-71-1
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; genome sequence and polypeptides of Pyrococcus abyssi and their uses)

L8 ANSWER 25 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:742133 CAPLUS
DOCUMENT NUMBER: 133:291993
TITLE: Cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 500 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 2000061625	A1	20001019	WO 2000-US8981		20000406	<--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM						
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG						
CA 2370189	AA	20001019	CA 2000-2370189		20000406	<--
EP 1175440	A1	20020130	EP 2000-925891		20000406	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO						
JP 2003500018	T2	20030107	JP 2000-611566		20000406	
PRIORITY APPLN. INFO.:			US 1999-128701P	P	19990409	
			US 2000-177166P	P	20000120	
			WO 2000-US8981	W	20000406	

ED Entered STN: 20 Oct 2000
AB The present invention relates to 48 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.
IC ICM C07K014-47
ICS C12N005-10; C12N005-16; C12N015-63; C12N015-64
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)
IT **Protein sequences**
(of 48 human secreted proteins)
IT 300584-93-4P 300584-94-5P 300584-95-6P 300584-96-7P 300584-97-8P
300584-98-9P 300584-99-0P 300585-00-6P 300585-01-7P 300585-02-8P
300585-03-9P 300585-04-0P 300585-05-1P 300585-06-2P 300585-07-3P
300585-08-4P 300585-09-5P 300585-10-8P 300585-11-9P 300585-12-0P
300619-14-1P 300619-15-2P 300619-16-3P 300681-85-0P 300698-19-5P
300698-39-9P 300698-55-9P 300698-70-8P 300698-82-2P 300698-99-1P
300699-00-7P 300699-01-8P 300699-02-9P 300699-04-1P 300699-10-9P
300699-14-3P 300699-15-4P 300699-16-5P 300699-17-6P 300699-18-7P
300699-19-8P 300699-20-1P **300699-21-2P** 300699-22-3P
300699-23-4P 300699-24-5P 300699-25-6P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)
IT 202149-91-5 300625-27-8 300625-28-9 300625-29-0 300625-30-3
300625-31-4 300625-32-5 300625-33-6 300625-34-7 300625-35-8
300625-36-9 300625-37-0 300625-38-1 300625-39-2 300625-40-5
300625-41-6 300625-42-7 300625-43-8 300625-44-9 300625-45-0
300625-46-1 300625-47-2 300635-35-2 300681-92-9 300681-93-0
300681-94-1 300681-95-2 300681-96-3 300699-26-7 300699-27-8
300699-28-9 300699-29-0 300699-30-3 300699-31-4 300699-32-5
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 26 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:742132 CAPLUS
DOCUMENT NUMBER: 133:291992
TITLE: Cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 478 pp.

CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061624	A1	20001019	WO 2000-US8980	20000406 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2365522	AA	20001019	CA 2000-2365522	20000406 <--
EP 1171460	A1	20020116	EP 2000-920139	20000406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003500017	T2	20030107	JP 2000-611565	20000406

PRIORITY APPLN. INFO.:		
US 1999-128700P	P	19990409
US 2000-176930P	P	20000120
WO 2000-US8980	W	20000406

ED Entered STN: 20 Oct 2000

AB The present invention relates to 48 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C07K014-47
ICS C07K015-52; C12N005-10; C12N005-16; C12N015-12; C12N015-19; C12N015-63; C12N015-64

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)

IT **Protein sequences**
(of 48 human secreted proteins)

IT
300594-73-4P	300594-74-5P	300594-75-6P	300594-76-7P	300594-77-8P
300594-78-9P	300594-79-0P	300594-80-3P	300594-82-5P	300594-85-8P
300594-86-9P	300594-87-0P	300594-90-5P	300594-93-8P	300594-96-1P
300594-99-4P	300619-65-2P	300619-66-3P	300619-67-4P	300619-68-5P
300619-69-6P	300619-70-9P	300619-71-0P	300619-72-1P	300681-87-2P
300694-92-2P	300694-93-3P	300694-94-4P	300695-06-1P	300695-22-1P
300695-40-3P	300695-51-6P	300695-66-3P	300695-79-8P	300695-89-0P
300695-99-2P	300696-02-0P	300696-07-5P	**300696-11-1P**	
300696-14-4P	300696-21-3P	300696-39-3P	300696-55-3P	300696-75-7P
300696-94-0P	300697-04-5P	300697-17-0P		

RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)

IT 300625-48-3 300625-49-4 300625-50-7 300625-51-8 300625-52-9
300625-53-0 300625-54-1 300625-55-2 300625-56-3 300625-57-4
300625-58-5 300625-59-6 300625-60-9 300625-61-0 300625-62-1
300625-63-2 300625-64-3 300625-65-4 300625-66-5 300625-67-6
300625-68-7 300625-69-8 300625-70-1 300625-71-2 300625-72-3
300625-73-4 300681-86-1 300697-20-5 300697-36-3 300697-49-8
300697-70-5 300701-81-9 300702-03-8
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 27 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:718218 CAPLUS
DOCUMENT NUMBER: 133:291969
TITLE: Viral encoded semaphorin protein receptor (VESPR) cDNA and its polypeptides
INVENTOR(S): Spriggs, Melanie K.; Comeau, Michael R.; Dubose, Robert F.; Johnson, Richard S.
PATENT ASSIGNEE(S): Immunex Corporation, USA
SOURCE: U.S., 32 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 6130068	A	20001010	US 1998-181706		19981028	<--
US 6174689	B1	20010116	US 1999-458791		19991210	
US 6187909	B1	20010213	US 1999-459066		19991210	
US 6562949	B1	20030513	US 1999-459065		19991210	
US 2003095968	A1	20030522	US 2002-294055		20021113	
PRIORITY APPLN. INFO.:			US 1997-112009P	P	19971028	
			US 1997-958598	A	19971028	
			US 1998-181706	A	19981028	
			US 1999-459061	A1	19991210	

ED Entered STN: 11 Oct 2000
AB The invention is directed to VESPR polypeptides as a purified and isolated protein, the DNA encoding the VESPR polypeptide, host cells transfected with cDNAs encoding VESPR, and methods for preparing VESPR polypeptides.
IC ICM C07H021-04
ICS C12N015-09; C12N015-63
INCL 435069100
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 1, 6, 14
IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(of VESPR; viral encoded semaphorin protein receptor (VESPR) cDNA and polypeptides)
IT **Protein sequences**

(of human VESPR; viral encoded semaphorin protein receptor (VESPR) cDNA and polypeptides)

IT **209215-07-6DP**, subfragments claimed **223775-30-2P** **223775-32-4P**
RL: BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(amino acid sequence; properties and therapeutic uses of VESPR (Viral Encoded Semaphorin Protein Receptor))

IT 224041-58-1, Semaphorin A39R (Ectromelia virus)
RL: PRP (Properties)
(unclaimed **protein sequence**; viral encoded semaphorin protein receptor (VESPR) cDNA and its polypeptides)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 28 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:707187 CAPLUS
DOCUMENT NUMBER: 133:262326
TITLE: Cloning and cDNA and deduced amino acid sequences of 47 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 387 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000058335	A1	20001005	WO 2000-US7534		20000322 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2368374	AA	20001005	CA 2000-2368374		20000322 <--
EP 1165591	A1	20020102	EP 2000-916590		20000322
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2002539815	T2	20021126	JP 2000-608035		20000322
PRIORITY APPLN. INFO.:			US 1999-126598P	P	19990326
			US 1999-171504P	P	19991222
			WO 2000-US7534	W	20000322

ED Entered STN: 06 Oct 2000

AB The present invention relates to 47 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C07H021-04
ICS C07K014-00; C07K016-00; C12N015-00; C12N015-63; C12N015-85; C12N015-86; C12Q001-68; G01N033-53

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 47 human secreted proteins)

IT **Protein sequences**
(of 47 human secreted proteins)

IT 195890-61-0 295827-95-1 295827-96-2 295827-97-3 295827-98-4
295827-99-5 295828-00-1 295828-01-2 295828-02-3
295828-03-4 295828-04-5 295828-05-6 295828-06-7 295828-07-8
295828-08-9 295828-09-0 295828-74-9 296251-99-5 296267-99-7
296268-00-3 296268-01-4 296268-02-5 296268-03-6 296268-04-7
296268-05-8 296268-06-9 296268-07-0 296268-08-1 296268-10-5
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 47 human secreted proteins)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 29 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:688363 CAPLUS
DOCUMENT NUMBER: 133:248090
TITLE: Cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 407 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000056881	A1	20000928	WO 2000-US6782		20000316 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2365238	AA	20000928	CA 2000-2365238		20000316 <--
EP 1169440	A1	20020109	EP 2000-917960		20000316
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2004506402	T2	20040304	JP 2000-606740		20000316
PRIORITY APPLN. INFO.:			US 1999-125812P	P	19990323
			US 1999-169936P	P	19991210
			WO 2000-US6782	W	20000316

ED Entered STN: 29 Sep 2000
AB The present invention relates to 48 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.
IC ICM C12N015-11
ICS C12N015-12; C12N015-63; C12N001-21; C12N005-10; C07K014-00; C07K014-435; C07K014-47
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)
IT **Protein sequences**
(of 48 human secreted proteins)
IT 294643-84-8P 294643-85-9P 294643-86-0P 294643-87-1P 294643-88-2P
294643-89-3P 294643-90-6P 294643-91-7P 294643-92-8P 294643-93-9P
294643-94-0P 294643-95-1P 294643-96-2P 294643-97-3P 294643-98-4P
294643-99-5P 294644-00-1P 294644-01-2P 294644-02-3P 294685-31-7P
294685-32-8P 294685-33-9P 294685-34-0P 294685-35-1P 294685-36-2P
294685-37-3P 294685-38-4P 295312-83-3P 295312-84-4P 295312-85-5P
295316-11-9P 295316-46-0P 295316-47-1P 295316-48-2P 295316-49-3P
295316-51-7P 295316-53-9P 295316-54-0P 295316-56-2P 295316-57-3P
295316-60-8P **295316-62-0P** 295316-63-1P 295316-64-2P
295316-66-4P 295316-69-7P 295316-72-2P 295316-75-5P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)
IT 292163-97-4 294686-32-1 294686-33-2 294686-34-3 294686-35-4
294686-36-5 294686-37-6 294686-38-7 294686-39-8 294686-40-1
294686-42-3 294686-44-5 294686-45-6 294686-46-7 294686-47-8
294686-48-9 295312-82-2 295312-88-8 295312-90-2 295316-77-7
295316-79-9 295316-82-4 295317-02-1 295317-04-3 295317-05-4
295317-08-7 295317-10-1 295320-68-2 295320-70-6 295320-77-3
295320-88-6 295320-91-1 295320-93-3 295321-03-8 295321-05-0
295321-06-1 295321-08-3 295321-11-8 295321-12-9 295321-14-1
295321-15-2 295321-17-4 295321-18-5 295321-20-9 295321-21-0
295321-22-1 295321-24-3 295321-25-4 295321-26-5 295321-28-7
295321-29-8 295321-30-1 295321-32-3 295324-06-0
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 48 human secreted proteins)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 30 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:688253 CAPLUS
DOCUMENT NUMBER: 133:248082

TITLE: Cloning and cDNA and deduced amino acid sequences of 49 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 431 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000056753	A1	20000928	WO 2000-US6765		20000316 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2368916	AA	20000928	CA 2000-2368916		20000316 <--
EP 1165590	A1	20020102	EP 2000-916354		20000316
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2002539776	T2	20021126	JP 2000-606614		20000316
PRIORITY APPLN. INFO.:			US 1999-126051P	P	19990323
			US 1999-169906P	P	19991210
			WO 2000-US6765	W	20000316

ED Entered STN: 29 Sep 2000

AB The present invention relates to 49 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C07H021-04
ICS C07K014-00; C07K016-00; C12N015-00; C12N015-63; C12N015-85; C12N015-86; C12Q001-68; G01N033-53

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 49 human secreted proteins)

IT **Protein sequences**
(of 49 human secreted proteins)

IT 200734-94-7P, Sarcolipin (human) 294625-48-2P 294625-49-3P
294625-50-6P 294625-51-7P 294625-52-8P 294625-53-9P 294625-54-0P
294625-55-1P 294625-56-2P 294625-57-3P 294625-58-4P 294625-59-5P
294625-60-8P 294625-61-9P 294625-62-0P 294625-63-1P 294625-64-2P
294684-77-8P 294684-78-9P 294684-79-0P 294684-80-3P

294684-81-4P 294684-82-5P 295312-63-9P 295312-64-0P
295316-67-5P 295316-73-3P 295316-78-8P 295316-81-3P 295316-83-5P
295316-85-7P 295316-86-8P 295316-87-9P 295316-89-1P 295316-91-5P
295316-92-6P 295316-93-7P 295316-95-9P 295316-96-0P 295316-98-2P
295316-99-3P 295317-00-9P 295317-01-0P 295317-03-2P 295317-07-6P
295317-09-8P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 49 human secreted proteins)

IT 172643-13-9 292889-25-9 294686-12-7 294686-13-8 294686-14-9
294686-15-0 294686-16-1 294686-17-2 294686-18-3 294686-19-4
294686-20-7 294686-21-8 294686-22-9 294686-23-0 294686-24-1
294686-25-2 294686-26-3 294686-27-4 294686-28-5 294686-29-6
294686-30-9 294686-31-0 294688-13-4 295312-62-8 295312-65-1
295312-66-2 295317-11-2 295317-12-3 295317-13-4 295317-14-5
295317-15-6 295317-46-3 295317-74-7 295318-04-6 295318-32-0
295318-68-2 295318-97-7 295319-26-5 295319-50-5 295319-80-1
295320-02-4 295320-26-2 295320-42-2 295320-44-4 295320-52-4
295320-57-9 295320-64-8 295320-65-9 295320-66-0 295320-67-1
295320-71-7
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 49 human secreted proteins)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 31 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:666922 CAPLUS
DOCUMENT NUMBER: 133:248079
TITLE: Cloning and cDNA and deduced amino acid sequences of 27 human secreted proteins
INVENTOR(S): Ruben, Steven M.; Ni, Jian; Ebner, Reinhard; Rosen, Craig A.; Shi, Yanggu; Birse, Charles; Florence, Kimberly; Komatsoulis, George; Lafleur, David W.; Moore, Paul A.; Olsen, Henrik S.; Young, Paul E.
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 453 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000055371	A1	20000921	WO 2000-US6783	20000316 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2368068	AA	20000921	CA 2000-2368068	20000316 <--
EP 1181390	A1	20020227	EP 2000-919410	20000316

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2002538841	T2	20021119	JP 2000-605787		20000316
US 2003104400	A1	20030605	US 2002-50882		20020118
US 2005239099	A1	20051027	US 2004-963903		20041014
PRIORITY APPLN. INFO.:			US 1999-125055P	P	19990318
			WO 2000-US6783	W	20000316
			US 2000-661453	A1	20000913
			US 2002-50882	A1	20020118

ED Entered STN: 22 Sep 2000

AB The present invention relates to 27 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C12Q001-68
ICS C07H021-00; C07K005-00

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 27 human secreted proteins)

IT **Protein sequences**
(of 27 human secreted proteins)

IT -0P 291800-46-9P 291800-47-0P 291800-48-1P 291800-49-2P
291800-50-5P 291800-51-6P 291800-52-7P 291800-53-8P 291800-54-9P
291800-55-0P 291800-56-1P 291800-57-2P 291800-58-3P 291800-59-4P
291800-60-7P 291800-61-8P **291800-62-9P** 291800-63-0P
291800-64-1P 291800-65-2P 291800-66-3P 291800-67-4P
291800-68-5P 292043-43-7P 292043-44-8P 292043-45-9P
292043-46-0P 292043-47-1P 292043-48-2P 292043-50-6P 292043-52-8P
292043-53-9P 292043-57-3P 292043-58-4P 292094-41-8P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 27 human secreted proteins)

IT 291800-69-6 291800-70-9 291800-71-0 291800-72-1 291800-73-2
291800-74-3 291800-75-4 291800-76-5 291800-77-6 291800-78-7
291800-79-8 291800-80-1 291800-81-2 291800-82-3 291800-83-4
292043-59-5 292043-68-6 292062-96-5 292062-98-7 292062-99-8
292063-00-4 292063-02-6 292063-03-7 292063-04-8 292063-06-0
292063-07-1 292063-10-6 292063-11-7 292063-12-8 292063-13-9
292063-14-0 292063-16-2 292063-17-3 292063-18-4 292063-19-5
292063-20-8 292063-21-9 292063-22-0 292063-25-3 292063-27-5
292063-28-6 292063-29-7 292063-30-0 292063-31-1 292063-32-2
292063-35-5 292063-36-6 292063-37-7 292063-38-8 292063-41-3
292063-42-4 292063-43-5 292633-06-8
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 27 human secreted proteins)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 32 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:666771 CAPLUS
DOCUMENT NUMBER: 133:233613
TITLE: Cloning and cDNA and deduced amino acid sequences of 50 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 453 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000055200	A1	20000921	WO 2000-US6042		20000309 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2364637	AA	20000921	CA 2000-2364637		20000309 <--
EP 1161447	A1	20011212	EP 2000-913809		20000309
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2003508013	T2	20030304	JP 2000-605626		20000309
PRIORITY APPLN. INFO.:			US 1999-124143P	P	19990312
			US 1999-168663P	P	19991203
			WO 2000-US6042	W	20000309

ED Entered STN: 22 Sep 2000
AB The present invention relates to 50 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.
IC ICM C07K014-47
ICS C12N005-10; C12N005-16; C12N015-12; C12N015-63; C12N015-64
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 50 human secreted proteins)
IT **Protein sequences**
(of 50 human secreted proteins)
IT 292103-74-3 292103-75-4 292103-76-5 292103-77-6 292103-78-7

292103-79-8 292103-82-3 292103-83-4 292103-84-5 292103-85-6
292103-86-7 292103-87-8 292103-89-0 292103-90-3 292103-91-4
292103-92-5 292103-93-6 292103-94-7 **292103-95-8**
292103-96-9 292103-97-0 292103-98-1 292103-99-2 292104-00-8
292104-01-9 292104-02-0 292104-03-1 292104-04-2 292104-05-3
292104-06-4 292104-07-5 292104-08-6 292104-09-7 292104-10-0
292145-42-7 292145-44-9 292145-46-1 292145-47-2 292145-48-3
292158-59-9 292158-60-2 292158-61-3 292158-95-3 292158-97-5
292158-98-6 292158-99-7 292159-00-3 292159-02-5 292159-04-7
292159-05-8 292159-06-9 292159-07-0 292159-08-1
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 50 human secreted proteins)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 33 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:646123 CAPLUS
DOCUMENT NUMBER: 133:234221
TITLE: Hermansky pudlak syndrome protein-interacting proteins (HPSIPs), their complexes with HPS proteins, and diagnosis and treatment of diseases
INVENTOR(S): Nandabalan, Krishnan; Yang, Meijia
PATENT ASSIGNEE(S): Curagen Corporation, USA
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000053733	A2	20000914	WO 2000-US6518	20000310 <--
WO 2000053733	A3	20010201		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6573364	B1	20030603	US 1999-266225	19990310
CA 2366124	AA	20000914	CA 2000-2366124	20000310 <--
EP 1159408	A2	20011205	EP 2000-917891	20000310
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003523723	T2	20030812	JP 2000-603356	20000310
AU 770000	B2	20040212	AU 2000-38797	20000310

PRIORITY APPLN. INFO.: US 1999-266225 A2 19990310
WO 2000-US6518 W 20000310

ED Entered STN: 15 Sep 2000
AB Provided are complexes of Hermansky pudlak syndrome (HPS) proteins and HPS-interacting proteins (HPSIPs). The HPSIPs include 14-3-3 protein, Hrs, atrophin-1, DGS-I, nuclear factor NF90, HPIP1, and human HN1 homolog protein. Also disclosed are nucleic acids encoding the HPIP1 and human HN1 homolog protein, or derivs., fragments and analogs thereof. Methods of screening the complexes or proteins for efficacy in treating and/or

preventing certain diseases and disorders, particularly atopic diseases, autoimmune diseases, neurodegenerative disease, cancer, pigmentation disorders, platelet dysfunction and viral diseases, are also disclosed.

IC ICM C12N009-12
ICS C07K014-47; C07K016-18; C12N015-62; C12N015-63; A61K038-17; G01N033-48

CC 6-3 (General Biochemistry)
Section cross-reference(s): 1, 3, 13

IT **Chimeric** gene
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(for HPS-HPSIP **fusion** proteins; hermansky pudlak syndrome protein-interacting proteins (HPSIPs), their complexes with HPS proteins, and diagnosis and treatment of diseases)

IT **Protein sequences**
(of human proteins HPIP1 and HN1 homolog)

IT **141933-95-1**, Protein 14-3-3 (human η-chain reduced) 145110-29-8 170138-42-8 175420-56-1, Atrophin 1 (human clone 1-13 gene DRPLA) 202012-14-4 292890-44-9 292890-45-0 292890-46-1
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(amino acid sequence; hermansky pudlak syndrome protein-interacting proteins (HPSIPs), their complexes with HPS proteins, and diagnosis and treatment of diseases)

L8 ANSWER 34 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608992 CAPLUS
DOCUMENT NUMBER: 133:187932
TITLE: Automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents
INVENTOR(S): Giuliano, Kenneth A.; Kapur, Ravi
PATENT ASSIGNEE(S): Cellomics, Inc., USA
SOURCE: PCT Int. Appl., 350 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 21
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050872	A2	20000831	WO 2000-US4794	20000225 <--
WO 2000050872	A3	20010308		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6759206	B1	20040706	US 1999-352171	19990712
CA 2362117	AA	20000831	CA 2000-2362117	20000225 <--
CA 2362117	C	20041130		
AU 2000036056	A5	20000914	AU 2000-36056	20000225 <--
EP 1155304	A2	20011121	EP 2000-914701	20000225
EP 1155304	B1	20030507		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

AT 239907	E	20030515	AT 2000-914701	20000225
JP 2003526772	T2	20030909	JP 2000-601420	20000225
JP 3576491	B2	20041013		
US 2003204316	A1	20031030	US 2003-430534	20030506
US 6902883	B2	20050607		

PRIORITY APPLN. INFO.:

US 1999-122152P	P	19990226
US 1999-123399P	P	19990308
US 1999-352171	A	19990712
US 1997-810983	A2	19970227
US 1998-31271	B2	19980227
US 1998-92671P	P	19980713
WO 2000-US4794	W	20000225
US 2000-650937	A1	20000829

ED Entered STN: 01 Sep 2000

AB The present invention provides systems, methods, screens, reagents and kits for optical system anal. of cells to rapidly determine the distribution, environment, or activity of fluorescently labeled reporter mols. in cells for the purpose of screening large nos. of compds. for those that specifically affect particular biol. functions. The invention provides systems, methods, and screens that combine high throughput screening and high content screening that significantly improve target validation and candidate optimization by combining many cell screening formats with fluorescence-based mol. reagents and computer-based feature extraction, data anal., and automation, resulting in increased quantity and speed of data collection, shortened cycle times, and, ultimately, faster evaluation of promising drug candidates. For example, the effect of interleukin-1 on translocation of transcription factor NF-κB from the cytoplasm to the nucleus was analyzed using 3T3 cells in the wells of a 96-well microtiter plate. The rows of well were titered with the interleukin-1. The cells were then fixed and stained with fluorescein-labeled antibody to NF-κB and with Hoechst 33423, a DNA-specific fluorophore. Computerized fluorescent image anal. was used to compare nuclear and cytoplasm fluorescence. The decrease in this ratio was strongly correlated with concentration of interleukin-1. A number of more sophisticated assays are described.

IC ICM G01N015-14

CC 1-1 (Pharmacology)
Section cross-reference(s): 3

IT Heat-shock proteins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(HSP 27, **fusion** proteins with GFP; automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents)

IT Transcription factors
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(NF-κB (nuclear factor κB), **fusion** proteins with GFP; automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents)

IT cDNA sequences
(for GFP **fusion** proteins)

IT Glucocorticoid receptors
Tubulins
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(**fusion** proteins with GFP; automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents)

IT Proteins, specific or class
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(green fluorescent, **fusion** proteins; automated, computerized toxin screening/characterization system based on cell arrays and

fluorescent reagents)
IT **Protein sequences**
(of GFP **fusion** proteins)
IT 289512-69-2 289512-71-6 **289512-73-8**
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(amino acid sequence; automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents)
IT 3520-43-2, JC-1 9001-92-7, Protease 23491-52-3, Hoechst 33342 155215-87-5, Stress-activated protein kinase 169592-56-7D, Caspase 3, **fusion** protein with GFP and annexin II cytoskeletal binding domain 201860-17-5, MitoTracker Green FM 212835-04-6, Bodipy FL phallacidin
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents)
IT 143891-07-0, Phosphoprotein MAP 4 (mouse clone M31/M9/M7 microtubule-associated protein moiety reduced) 180033-16-3 200014-25-1 269051-19-6 269051-21-0 269051-23-2 269051-29-8 269051-32-3 269051-34-5 269051-42-5, Calreticulin (synthetic fragment) 289514-10-9 289514-15-4 289514-17-6 289514-62-1 289514-81-4 289514-83-6 289514-85-8 289514-87-0
RL: PRP (Properties)
(unclaimed **protein sequence**; automated, computerized toxin screening/characterization system based on cell arrays and fluorescent reagents)

L8 ANSWER 35 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:421333 CAPLUS
DOCUMENT NUMBER: 133:68897
TITLE: Yeast cell protein kinase expression system for drug screening
INVENTOR(S): Thorner, Jeremy William; Alessi, Dario Renato; Torrance, Pamela Diane; Casamayor, Antonio
PATENT ASSIGNEE(S): Medical Research Council, UK; Regents of the University of California
SOURCE: PCT Int. Appl., 154 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 2000036135	A2	20000622	WO 1999-GB4228		19991214	<--
WO 2000036135	A3	20001026				
W: AU, CA, JP, US						
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE						
CA 2355362	AA	20000622	CA 1999-2355362		19991214	<--
EP 1141001	A2	20011010	EP 1999-961204		19991214	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI						
JP 2002532100	T2	20021002	JP 2000-588383		19991214	
PRIORITY APPLN. INFO.:			US 1998-112114P	P	19981214	
			WO 1999-GB4228	W	19991214	

ED Entered STN: 23 Jun 2000
AB A method of identifying a compound which inhibits to different extents (a) a host yeast cell protein kinase or kinases and (b) a protein kinase

derivable from a source other than the said host yeast cell that is equivalent to the said host yeast cell protein kinase or kinases, wherein a compound is exposed to (1) a first host yeast cell wherein the yeast cell is capable of expressing the said host yeast cell protein kinase or kinases and is not capable of expressing the said equivalent protein kinase and (2) a second host yeast cell wherein the yeast cell is (a) not capable of expressing the said yeast cell protein kinase or kinases and (b) is capable of expressing the said equivalent protein kinase derivable from a source other than the host yeast cell and the effect of the compound on the viability of the said yeast cells is measured, and a compound that affects the viability of the first said yeast cell and the said second yeast cell differently, is identified. The method may be useful in a screen for identifying compds. that inhibit a mammalian or fungal protein kinase. The compds. may be useful in medicine.

IC ICM C12Q001-00

CC 1-1 (Pharmacology)
Section cross-reference(s): 3

IT Antitumor agents
Aspergillus
Aspergillus flavus
Aspergillus fumigatus
Aspergillus niger
Blastomyces
Blastomyces dermatitidis
Botryoascus
Candida
Candida albicans
Cephalosporium
Citeromyces
Cladosporium carrionii
Coccidioides
Coccidioides immitis
Cryptococcus (fungus)
Cryptococcus neoformans
Debaryomyces
Drug screening
Endomycopsis
Epidermophyton
Fonsecaea pedrosoi
Fungicides
Fusarium
Hansenula
Histoplasma
Histoplasma capsulatum
Kluyveromyces
Leucosporidium
Madurella
Madurella grisea
Madurella mycetomatis
Malassezia
Malassezia furfur
Metschnikowia
Microsporum
Molecular cloning
Pachysolen (fungus)
Paracoccidioides
Paracoccidioides brasiliensis
Phialophora compacta
Phialophora verrucosa
Phosphorylation, biological

Pichia
Pneumocystis carinii
Protein sequences
Prototheca
Prototheca wickerhamii
Pseudallescheria boydii
Rhinocladiella aquaspersa
Rhizomucor
Rhizopus
Rhodosporidium
Saccharomyces
Saccharomyces cerevisiae
Schizosaccharomyces
Sporidiobolus
Sporothrix
Sporothrix schenckii
Test kits
Torulopsis
Trichophyton
Yeast
cDNA sequences
(yeast cell protein kinase expression system for drug screening)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(yeast cell protein kinase expression system for drug screening)

IT **124671-35-8** 225792-13-2 277762-90-0 277762-92-2
277762-94-4 277763-15-2 278189-91-6 278189-92-7 278189-93-8
278189-94-9 278189-95-0 278189-96-1 278779-52-5 278779-53-6
278779-54-7 278779-55-8 278779-56-9 278779-57-0 278779-58-1
278779-59-2
RL: PRP (Properties)
(unclaimed **protein sequence**; yeast cell protein kinase expression system for drug screening)

L8 ANSWER 36 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:402007 CAPLUS
DOCUMENT NUMBER: 133:53686
TITLE: Chlamydial antigens and genomic DNA sequences for treatment and diagnosis of chlamydial infection
INVENTOR(S): Probst, Peter; Bhatia, Ajay; Skeiky, Yasir A. W.; Fling, Steven P.; Jen, Shyian; Stromberg, Erica Jean
PATENT ASSIGNEE(S): Corixa Corporation, USA
SOURCE: PCT Int. Appl., 256 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000034483	A2	20000615	WO 1999-US29012	19991208 <--
WO 2000034483	A3	20011101		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

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        RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
            DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
    US 6166177          A     20001226    US 1998-208277          19981208 <--
    US 6447779          B1    20020910    US 1999-288594          19990408
    US 6555115          B1    20030429    US 1999-410568          19991001
    CA 2354232          AA    20000615    CA 1999-2354232         19991208 <--
    EP 1144642          A2    20011017    EP 1999-963037          19991208
    EP 1144642          A3    20020605
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
    BR 9916020          A     20020122    BR 1999-16020           19991208
    JP 2002531129       T2    20020924    JP 2000-586916          19991208
    NZ 512246           A     20031219    NZ 1999-512246          19991208
    AU 769293           B2    20040122    AU 2000-19358           19991208
    NO 2001002812       A     20010802    NO 2001-2812            20010607
PRIORITY APPLN. INFO.:                      US 1998-208277      A   19981208
                                            US 1999-288594      A   19990408
                                            US 1999-410568      A   19991001
                                            US 1999-426571      A   19991022
                                            WO 1999-US29012     W   19991208
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ED Entered STN: 16 Jun 2000

AB Compds. and methods for the diagnosis and treatment of Chlamydial infection are disclosed. The compds. provided include polypeptides that contain at least one antigenic portion of a Chlamydia antigen and DNA sequences encoding such polypeptides. Chlamydia antigens were isolated by expression cloning of a genomic DNA library of C. trachomatis LGV II, and shown to induce T cell proliferation and interferon-β production Immune responses of human PBMC and T cell lines are generated against the Chlamydia antigens. Pharmaceutical compns. and vaccines comprising such polypeptides or DNA sequences are also provided, together with antibodies directed against such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of Chlamydial infection in patients and in biol. samples.

IC ICM C12N015-31
ICS C07K014-295; C12N001-21; C12N001-19; C12N005-10; C07K019-00; C12N015-62; C07K016-02; A61K039-118; A61K031-70; G01N033-569; C12Q001-68; A61K048-00

CC 1-5 (Pharmacology)
Section cross-reference(s): 3, 10, 15

IT Chlamydia
Chlamydia pneumoniae
Chlamydia trachomatis
DNA sequences
Molecular cloning
Protein sequences
Vaccines
(Chlamydial antigens and genomic DNA sequences for treatment and diagnosis of chlamydial infection)

IT **Fusion** proteins (**chimeric** proteins)
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Chlamydial antigens and genomic DNA sequences for treatment and diagnosis of chlamydial infection)

IT 223705-51-9 261940-10-7 275830-86-9 275830-88-1 275830-92-7
275830-94-9 275830-96-1 275831-05-5 275831-06-6 275831-07-7
275831-08-8 275831-09-9 **275831-18-0** 275831-19-1
275831-20-4 275831-21-5 275831-22-6 275831-23-7 275831-24-8
275831-25-9 275831-27-1 275831-29-3 276254-68-3 276254-72-9
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES

(Uses)
(amino acid sequence; Chlamydial antigens and genomic DNA sequences for treatment and diagnosis of chlamydial infection)

IT 275830-75-6 275830-76-7 275830-77-8 275830-78-9 275830-79-0
275830-80-3 275830-81-4 275830-82-5 275830-83-6 275830-84-7
275830-85-8 275830-87-0 275830-89-2 275830-90-5 275830-91-6
275830-93-8 275830-95-0 275830-97-2 275830-98-3, DNA (Chlamydia trachomatis gene pmpI) 275830-99-4, DNA (Chlamydia trachomatis gene pmpG) 275831-00-0, DNA (Chlamydia trachomatis gene pmpE) 275831-01-1, DNA (Chlamydia trachomatis gene pmpD) 275831-02-2, DNA (Chlamydia trachomatis gene pmpC) 275831-03-3, DNA (Chlamydia trachomatis gene pmpB) **275831-04-4**, DNA (Chlamydia trachomatis gene pmpI)
275831-10-2 275831-11-3, DNA (Chlamydia trachomatis gene pmpG)
275831-12-4 275831-13-5 275831-14-6 275831-15-7 275831-16-8
275831-17-9 275831-26-0 275831-28-2 275831-30-6 275831-31-7
275831-32-8 275831-33-9 275831-34-0 275831-35-1 275831-36-2
275831-37-3 275831-38-4 275831-39-5 275831-40-8 275831-41-9
275831-42-0 275831-43-1 275831-44-2 275831-45-3 275831-46-4
275831-47-5 275831-48-6 275831-49-7 275831-50-0 275831-51-1
275831-52-2 275831-53-3, DNA (Chlamydia pneumoniae gene CT529)
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(nucleotide sequence; Chlamydial antigens and genomic DNA sequences for treatment and diagnosis of chlamydial infection)

IT 275832-48-9 275832-49-0 275832-50-3 275832-51-4 275832-52-5
275832-53-6 275832-54-7 275832-55-8 275832-56-9 275832-57-0
RL: PRP (Properties)
(unclaimed **protein sequence**; chlamydial antigens and genomic DNA sequences for treatment and diagnosis of chlamydial infection)

L8 ANSWER 37 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:384389 CAPLUS
DOCUMENT NUMBER: 133:27383
TITLE: Plant vitamin E biosynthetic enzymes γ-tocopherol methyltransferase and 4-hydroxyphenylpyruvate dioxygenase and cDNAs and their uses
INVENTOR(S): Cahoon, Rebecca E.; Coughlan, Sean J.; Miao, Guo-hua; Rafalski, J. Antoni
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032757	A2	20000608	WO 1999-US28588	19991202 <--
WO 2000032757	A3	20001123		

W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2005193445	A1	20050901	US 2005-51785	20050204

US 2005216973 A1 20050929 US 2005-141593 20050531
PRIORITY APPLN. INFO.: US 1998-110781P P 19981203
WO 1999-US28588 W 19991202
US 2001-857613 A3 20010604

ED Entered STN: 09 Jun 2000

AB This invention relates to isolated cDNA fragments encoding vitamin E biosynthetic enzyme γ-tocopherol methyltransferase from corn, rice, soybean, and wheat and 4-hydroxyphenylpyruvate dioxygenase from rice, soybean, wheat, Vernonia, and Catalpa. The invention also relates to the construction of a chimeric gene encoding all or a portion of the vitamin E biosynthetic enzyme, in sense or antisense orientation, wherein expression of the chimeric gene results in production of altered levels of the vitamin E biosynthetic enzyme in a transformed host cell. The cDNAs may be used in selection of transformed cells as well as for screening for vitamin E-biosynthesis enzyme-inhibiting herbicides.

IC ICM C12N009-00

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 7, 11

IT Catalpa
Corn
Protein sequences
Rice (Oryza sativa)
Soybean (Glycine max)
Vernonia mespilifolia
Wheat
cDNA sequences
(plant vitamin E biosynthetic enzymes γ-tocopherol methyltransferase and 4-hydroxyphenylpyruvate dioxygenase and cDNAs and their uses)

IT **Chimeric** gene
RL: AGR (Agricultural use); ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(plant vitamin E biosynthetic enzymes γ-tocopherol methyltransferase and 4-hydroxyphenylpyruvate dioxygenase and cDNAs and their uses)

IT 273718-12-0 273718-14-2 **273718-16-4** 273718-18-6
273718-20-0 273718-22-2 273718-24-4 273718-26-6 273718-28-8
273718-30-2 273718-32-4 273718-33-5 273718-35-7 273718-37-9
273718-39-1 273718-41-5 273718-43-7 273718-45-9 273718-47-1
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(amino acid sequence; plant vitamin E biosynthetic enzymes γ-tocopherol methyltransferase and 4-hydroxyphenylpyruvate dioxygenase and cDNAs and their uses)

IT 170977-25-0 194615-50-4 195397-27-4 219903-83-0 220379-64-6
RL: PRP (Properties)
(unclaimed **protein sequence**; plant vitamin E biosynthetic enzymes γ-tocopherol methyltransferase and 4-hydroxyphenylpyruvate dioxygenase and cDNAs and their uses)

L8 ANSWER 38 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:314815 CAPLUS
DOCUMENT NUMBER: 132:344102
TITLE: Gene cluster encoding oleandolide synthases from Streptomyces antibioticus and recombinant expression of hybrid genes encoding heterologous polyketide synthases
INVENTOR(S): Betlach, Mary C.; Shah, Sanjay Krishnakant; Mcdaniel,

Robert; Tang, Li
PATENT ASSIGNEE(S): Kosan Biosciences, Inc., USA
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026349	A2	20000511	WO 1999-US24478	19991022 <--
WO 2000026349	A3	20000831		
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2347412	AA	20000511	CA 1999-2347412	19991022 <--
EP 1124969	A2	20010822	EP 1999-955063	19991022
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AU 758421	B2	20030320	AU 2000-11254	19991022
JP 2003512013	T2	20030402	JP 2000-579721	19991022
US 6251636	B1	20010626	US 1999-428517	19991028
US 2001034046	A1	20011025	US 2001-768927	20010123
US 6388099	B2	20020514		
US 2003027287	A1	20030206	US 2001-808880	20010314
US 2002168730	A1	20021114	US 2001-991448	20011116
US 6828126	B2	20041207		

PRIORITY APPLN. INFO.:

US 1998-106100P	P	19981029
US 1999-120254P	P	19990216
WO 1999-US24478	W	19991022
US 1999-428517	A1	19991028
US 2000-177660P	P	20000127
US 2001-768927	A3	20010123

ED Entered STN: 15 May 2000

AB Recombinant DNA compds. that encode all or a portion of the oleandolide polyketide synthase are used to express recombinant polyketide synthase genes in host cells for the production of oleandolide, oleandolide derivs., and polyketides that are useful as antibiotics and motilides. Genomic DNA containing the complete 8,8a-deoxyoleandrolide synthase gene cluster isolated from an oleandomycin-reproducing strain of Streptomyces antibioticus comprises 3 synthase open reading frames (oleAI, oleAII, and oleAII), each ORF comprising 2 extender modules and the first ORF also encoding the loading module, plus a number of tailoring enzyme genes. Each ORF is composed of at least a ketosynthase, an acyltransferase, and an acyl carrier protein domain. Hybrid polyketide synthase enzymes are prepared by fusion of the loading module of either 5-deoxyerythronolide B synthase or narbonolide synthase with extender modules 1 and 2 of the oleandolide synthase (gene oleAI) and coexpressed with oleAII and oleAIII genes in suitable host cells such as Streptomyces lividans or Saccharopolyspora erythraea. Another example of a hybrid polyketide synthase is prepared by co-expressing the oleAI and oleAII genes with an oleAIII gene encoding extender module 5 and the ketosynthase and acyltransferase of extender module 6 of the oleandolide synthase fused to the acyl carrier protein of extender module 6 and the thioesterase of narbonolide synthase.

IC ICM C12N009-00
CC 3-2 (Biochemical Genetics)
Section cross-reference(s): 1, 7, 10, 16

IT **Protein sequences**
(of oleandolide synthases from Streptomyces antibioticus)

IT **268532-04-3P** 268532-05-4P **268532-06-5P**
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); CAT (Catalyst use); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; gene cluster encoding oleandolide synthases from Streptomyces antibioticus and recombinant expression of hybrid genes encoding heterologous polyketide synthases)
IT 79956-01-7DP, Polyketide synthase, **fusion** proteins with oleandolide synthase 128172-72-5DP, 6-Deoxyerythronolide B synthase, **fusion** proteins with oleandolide synthase 247595-90-0DP, Picromycin synthase, **fusion** proteins with oleandolide synthase 251091-63-1DP, Narbonolide synthase, **fusion** proteins with oleandolide synthase
RL: BPN (Biosynthetic preparation); CAT (Catalyst use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gene cluster encoding oleandolide synthases from Streptomyces antibioticus and recombinant expression of hybrid genes encoding heterologous polyketide synthases)

L8 ANSWER 39 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:278133 CAPLUS
DOCUMENT NUMBER: 132:319509
TITLE: An improved method for extracting quantitative information relating to an influence on a cellular response
INVENTOR(S): Arkhammar, Per O. G.; Terry, Bernard Robert; Scudder, Kurt Marshall; Bjorn, Sara Petersen; Thastrup, Ole; Hagel, Grith
PATENT ASSIGNEE(S): Bioimage A/S, Den.
SOURCE: PCT Int. Appl., 150 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000023615	A2	20000427	WO 1999-DK562		19991015 <--
WO 2000023615	A3	20010329			
W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
AU 9961895	A1	20000508	AU 1999-61895		19991015 <--
EP 1121593	A2	20010808	EP 1999-948731		19991015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2002527761	T2	20020827	JP 2000-577322		19991015
PRIORITY APPLN. INFO.:			DK 1998-1320	A	19981015
			WO 1999-DK562	W	19991015

ED Entered STN: 28 Apr 2000
AB An improved method and tools for quantifying the effect of an influence on cellular response is described. In particular, an improved method is described for detecting intracellular translocation or redistribution of

biol. active polypeptides. The invention also describes several ways of contacting the cells with a substance influencing a cellular response and extracting quant. information relating to the response in a highly parallel fashion. The method may be used as a very efficient procedure for testing or discovering the influence of a substance on a physiol. process using com. available parallel, high volume assay techniques, for example in connection with screening for new drugs, testing of substances for toxicity, and identifying drug targets for known or novel drugs. A fusion protein having the catalytic subunit of mouse protein kinase A fused with [64-leucine, 65-threonine] green fluorescent protein was prepared by recombinant methods. To assess the effect of glucagon on fusion protein translocation, the fusion protein was stably expressed in BHK cells overexpressing the human glucagon receptor.

IC ICM C12Q001-68

CC 9-5 (Biochemical Methods)
Section cross-reference(s): 1, 3, 4, 6

ST cell response assay; translocation **fusion** protein green fluorescent protein; kinase **fusion** green fluorescent protein translocation; biol signal transduction

IT Transcription factors
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(NF-κB (nuclear factor κB), **fusion** proteins with enhanced green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

IT Transcription factors
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(Smad-2, **fusion** proteins with enhanced green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

IT Phosphoproteins
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(VASP (vasodilator-stimulated protein), **fusion** proteins with enhanced green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

IT **Chimeric** gene
Gene
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(for fluorophore, expression of, in cell; improved method for extracting quant. information relating to an influence on a cellular response)

IT Cell
DNA sequences
Drug screening
Fluorometry
Imaging
Microtiter plates
Molecular cloning
Protein sequences
Signal transduction, biological

Transformation, genetic
Video cameras
(improved method for extracting quant. information relating to an influence on a cellular response)

IT **Fusion** proteins (**chimeric** proteins)
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(with green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

IT 214766-59-3P 214767-46-1P 214768-64-6P 214768-70-4P 214768-72-6P 214769-08-1P **214769-33-2P 214769-36-5P** 266330-89-6P
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(amino acid sequence; improved method for extracting quant. information relating to an influence on a cellular response)

IT 142008-29-5P, Protein kinase A
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(catalytic fragment, **fusion** proteins with green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

IT 9007-92-5, Glucagon, biological studies
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(fluorescent protein kinase C **fusion** protein translocation response to; improved method for extracting quant. information relating to an influence on a cellular response)

IT 137632-07-6P, Kinase (phosphorylating), protein, ERK1
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(**fusion** proteins with green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

IT 141436-78-4P
RL: ARG (Analytical reagent use); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(α, α and β1, **fusion** proteins with green fluorescent protein; improved method for extracting quant. information relating to an influence on a cellular response)

L8 ANSWER 40 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:277863 CAPLUS
DOCUMENT NUMBER: 132:303473
TITLE: Specific therapeutic interventions obtained by interference with redistribution and/or targetting of cyclic nucleotide phosphodiesterases or Iκ kinases
INVENTOR(S): Arkhammar, Per O. G.; Terry, Bernard Robert; Scudder, Kurt Marshall; Bjorn, Sara Petersen; Thastrup, Ole
PATENT ASSIGNEE(S): Bioimage A/s, Den.

SOURCE: PCT Int. Appl., 128 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000023091	A2	20000427	WO 1999-DK567		19991015 <--
WO 2000023091	A3	20000713			
W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2346937	AA	20000427	CA 1999-2346937		19991015 <--
AU 9961899	A1	20000508	AU 1999-61899		19991015 <--
EP 1146888	A2	20011024	EP 1999-948735		19991015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2003526608	T2	20030909	JP 2000-576864		19991015
PRIORITY APPLN. INFO.:			DK 1998-1321	A	19981015
			DK 1998-1322	A	19981015
			DK 1998-1323	A	19981015
			WO 1999-DK567	W	19991015

ED Entered STN: 28 Apr 2000

AB The application describes a novel mechanism of action, that is modulation of the specific effectiveness of I-kappa-kinases or cyclic nucleotide phosphodiesterases (PDEs) which have the ability to cleave cGMP or cAMP. The preferred mode of action is dislocation, disruption of targeting or interference with redistribution of specific isoforms or splice variants of PDE4, PDE5, or I-kappa-kinases from their anchoring sites within cells, thereby modulating their specific effectiveness, not their enzymic capacity. The chemical entities may be useful in preventing or treating in an animal, preferably a human, in need thereof an adverse condition which may be reduced or abolished by modulating the specific effectiveness of PDE4, PDE5, or I-kappa-kinases.

IC ICM A61K038-00
CC 1-1 (Pharmacology)
Section cross-reference(s): 3
IT Aequorea victoria
Anti-inflammatory agents
Antiasthmatics
Antidepressants
Antidiabetic agents
Antihypertensives
Antihypotensives
Antirheumatic agents
Asthma
Autoimmune disease
Drug screening
Fluorescent probes
Fluorometry
Graves' disease
Hypertension

Hypotension
Inflammation
Molecular cloning
Myasthenia gravis
Protein sequences
Rheumatoid arthritis
cDNA sequences
(specific therapeutic interventions obtained by interference with redistribution and/or targetting of cyclic nucleotide phosphodiesterases or Iκ kinases)

IT **Fusion** proteins (**chimeric** proteins)
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process)
(specific therapeutic interventions obtained by interference with redistribution and/or targetting of cyclic nucleotide phosphodiesterases or Iκ kinases)

IT 265295-40-7P 265295-42-9P 265295-44-1P 265295-46-3P 265295-48-5P
265295-51-0P 265295-53-2P 265295-55-4P
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); USES (Uses)
(amino acid sequence; specific therapeutic interventions obtained by interference with redistribution and/or targetting of cyclic nucleotide phosphodiesterases or Iκ kinases)

L8 ANSWER 41 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:220716 CAPLUS
DOCUMENT NUMBER: 132:261375
TITLE: Immunoglobulin **fusion** product with immunoglobulin receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention
INVENTOR(S): Hiatt, Andrew C.; Ma, Julian K. C.; Lehner, Thomas; Mostov, Keith E.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 59 pp., Cont.-in-part of U.S. Ser. No. 367,395.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6046037	A	20000404	US 1995-434000	19950504 <--
CA 2208783	AA	19960711	CA 1995-2208783	19951227 <--
WO 9621012	A1	19960711	WO 1995-US16889	19951227 <--
W: AU, BR, CA, CN, CZ, FI, HU, JP, KR, MX, NO, NZ, PL, RU, SG				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9646088	A1	19960724	AU 1996-46088	19951227 <--
AU 722668	B2	20000810		
EP 807173	A1	19971119	EP 1995-944237	19951227 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
CN 1183802	A	19980603	CN 1995-197699	19951227 <--
US 6303341	B1	20011016	US 1999-312157	19990514
AU 773602	B2	20040527	AU 2000-71534	20001110
US 6808709	B1	20041026	US 2000-717888	20001120

US 2002159958	A1	20021031	US 2001-982107	20011016
US 2005202026	A1	20050915	US 2004-781989	20040218
PRIORITY APPLN. INFO.:			US 1994-367395	B2 19941230
			US 1995-434000	A 19950504
			AU 1996-46088	A3 19951227
			WO 1995-US16889	W 19951227
			US 1999-312157	A1 19990514
			US 2000-717888	A1 20001120

ED Entered STN: 06 Apr 2000

AB Igs of the present invention are useful as therapeutic Igs against mucosal pathogens such as Streptococcus mutans. The Igs contain a protection protein (e.g., the polyimmunoglobulin receptor) that protects the Igs in the mucosal environment. The invention also includes a greatly improved method of producing Igs in plants by producing the protection protein in the same cell as the other components of the Igs. The components of the Ig are assembled at a much improved efficiency. The method of the invention allows the assembly and high efficiency production of such complex mols. The invention also contemplates the production of Igs containing protection proteins in a variety of cells, including plant cells, that can be selected for useful addnl. properties. The use of Igs containing protection proteins as therapeutic antibodies against mucosal and other pathogens is also contemplated.

IC ICM C12N015-00
ICS C12N015-29; C12N015-82; A01H004-00

INCL 435070100

CC 3-2 (Biochemical Genetics)
Section cross-reference(s): 1, 11, 15

ST Ig **fusion** receptor protection mucosa caries; dental caries prevention Ig **fusion** receptor; sequence Ig **fusion** receptor mucosa protection; plant transgenic manuf Ig **fusion** receptor

IT Immunoglobulins
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(A; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Immunoglobulins
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(D; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Immunoglobulins
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(E; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Immunoglobulins
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(G; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Immunoglobulins
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Guy's 13, **fusion** products, with Ig receptors; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Ig antigen-binding domain; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Agrobacterium tumefaciens
Alfalfa (Medicago sativa)
Arabidopsis
Dicotyledon (Magnoliopsida)
Immunotherapy
Monocotyledon (Liliopsida)
Mucous membrane
Petunia
Protein sequences
Streptococcus mutans
Streptococcus sobrinus
Tobacco
Tomato
cDNA sequences
(Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Immunoglobulins
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(M; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Tooth
(caries, prevention of; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Immunoglobulin receptors
RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products, with Igs; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT Transformation, genetic
(transgenic, Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT 144997-23-9DP, Glycoprotein (human secretory component protein moiety reduced), **fusion** products with Ig 170979-93-8DP, **fusion** products with Ig 180616-69-7DP, Receptor, immunoglobulin (rabbit), **fusion** products with Ig **180616-70-0DP**, Receptor, immunoglobulin (mouse), **fusion** products with Ig **180686-83-3DP**, Receptor, immunoglobulin (rat), **fusion** products with Ig 180686-85-5DP, **fusion** products with Ig receptor 180686-87-7DP, **fusion** products with Ig receptor

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT 140080-71-3DP, **fusion** products with Ig 140262-61-9DP, **fusion** products with Ig 153420-82-7DP, **fusion** products with Ig 153665-28-2DP, **fusion** products with Ig 159070-18-5DP, **fusion** products with Ig 180686-84-4DP, **fusion** products with Ig receptor cDNA 180686-86-6DP, **fusion** products with Ig receptor cDNA
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(nucleotide sequence; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

IT 244135-92-0, PN: US5959177 SEQID: 13 unclaimed DNA 244135-94-2, PN: US5959177 SEQID: 14 unclaimed DNA 244135-95-3, PN: US5959177 SEQID: 15 unclaimed DNA 244135-96-4, PN: US5959177 SEQID: 16 unclaimed DNA 244135-97-5, PN: US5959177 SEQID: 17 unclaimed DNA
RL: PRP (Properties)
(unclaimed nucleotide sequence; Ig **fusion** product with Ig receptor that protects Ig in mucosal environment, cDNA sequences, transgenic plants, and dental caries prevention)

REFERENCE COUNT: 95 THERE ARE 95 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 42 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:175590 CAPLUS
DOCUMENT NUMBER: 132:219217
TITLE: Recombinant antigen immunoassay for the diagnosis of syphilis
INVENTOR(S): Mullenix, Michael C.; Deutsch, John
PATENT ASSIGNEE(S): Becton, Dickinson and Company, USA
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 985931	A2	20000315	EP 1999-115877	19990812 <--
EP 985931	A3	20000329		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2280296	AA	20000304	CA 1999-2280296	19990907 <--

PRIORITY APPLN. INFO.: US 1998-148920 A 19980904
ED Entered STN: 17 Mar 2000
AB A method for detecting anti-Treponema pallidum antibody and diagnosing syphilis has been provided. Fusion protein antigens from the fusion of a peptide sequence having an amino acid sequence encoded by the described nucleic acid sequence to Treponema pallidum membrane proteins are used as antigens in immunoassay of test samples for the presence of anti-Treponema pallidum membrane protein antibodies. A test kit for diagnosing syphilis is also provided comprising a container having therein the fusion protein antigens.
IC ICM G01N033-571
ICS G01N033-543; G01N033-558; C12N015-30; C07K014-44

CC 9-10 (Biochemical Methods)
Section cross-reference(s): 3, 14, 15
IT Blood analysis
DNA sequences
Diagnosis
Protein sequences
Syphilis
Treponema pallidum
(recombinant antigen immunoassay for diagnosis of syphilis)
IT **261151-34-2 261151-36-4 261151-38-6**
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(amino acid sequence; recombinant antigen immunoassay for diagnosis of syphilis)
IT 58-85-5
RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)
(**fusion** with recombinant antigens; recombinant antigen immunoassay for diagnosis of syphilis)

L8 ANSWER 43 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:164617 CAPLUS
DOCUMENT NUMBER: 132:218003
TITLE: Nucleic acids encoding human membrane-bound proteins and receptors
INVENTOR(S): Baker, Kevin; Goddard, Audrey; Gurney, Austin L.; Smith, Victoria; Watanabe, Colin K.; Wood, William I.
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 773 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000012708	A2	20000309	WO 1999-US20111	19990901 <--
WO 2000012708	A3	20011004		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000033816	A5	20000928	AU 2000-33816	19990308 <--
AU 768694	B2	20040108		
NZ 528704	A	20050225	NZ 1999-528704	19990308
CA 2339043	AA	20000309	CA 1999-2339043	19990901 <--
AU 9955908	A1	20000321	AU 1999-55908	19990901 <--
AU 759150	B2	20030403		
EP 1144629	A2	20011017	EP 1999-942557	19990901
EP 1144629	A3	20011128		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003518361	T2	20030610	JP 2000-567695	19990901
NZ 510464	A	20040528	NZ 1999-510464	19990901

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NZ 531662            A     20050729    NZ 1999-531662          19990901
NZ 531663            A     20050729    NZ 1999-531663          19990901
NZ 531664            A     20050729    NZ 1999-531664          19990901
NZ 531665            A     20050729    NZ 1999-531665          19990901
NZ 531666            A     20050729    NZ 1999-531666          19990901
NZ 531667            A     20050729    NZ 1999-531667          19990901
NZ 531668            A     20050729    NZ 1999-531668          19990901
CA 2450824           AA    20000420    CA 1999-2450824         19991005 <--
CA 2347835           AA    20000608    CA 1999-2347835         19991130 <--
AU 2000017482        A5    20000619    AU 2000-17482           19991130 <--
AU 771751            B2    20040401
EP 1135485           A2    20010926    EP 1999-960624          19991130
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AB Membrane-bound proteins and receptor mols. have various industrial applications, including as pharmaceutical and diagnostic agents. Many efforts are focused on the screening of mammalian recombinant DNA libraries to identify the coding sequences for novel receptor or membrane-bound proteins. The present invention is directed to 123 novel polypeptides and to nucleic acid mols. encoding those polypeptides identified in human cDNA libraries by (1) extracellular domain homol. screening, (2) amylase screening, or (3) signal algorithm anal. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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ICS C07K014-705; C12N015-62; C07K016-28; C12Q001-68; C12N005-10

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Epitopes
(**chimeric** proteins containing; nucleic acids encoding human membrane-bound proteins and receptors)

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; nucleic acids encoding human membrane-bound proteins and receptors)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleic acids encoding human membrane-bound proteins and receptors)
IT **Protein sequences**
(of human membrane-bound proteins and receptors)
IT 208668-52-4P 210478-87-8P 211749-90-5P 212841-11-7P 213471-70-6P, Protein zsig32 (human) 213993-57-8P 214473-24-2P, Proteinase, serine (human gene TLSP) 218941-26-5P, Protein BS124 (human clone 1730294IH) 218947-99-0P 219709-98-5P 222725-02-2P, Uncoupling protein 4 (human) 225371-37-9P 227294-17-9P 230288-46-7P 235087-98-6P 235787-35-6P 247918-79-2P, Mannosidase, exo-1,2-α- (human) 252726-25-3P, Carbonic anhydrase 14 (human) 252727-87-0P, Protein (human gene DKK-2 precursor) 253418-75-6P 253418-95-0P 253419-02-2P 253419-07-7P 253419-11-3P 253419-24-8P 253419-42-0P 253579-88-3P 259161-13-2P 259519-97-6P 260342-51-6P 260342-52-7P 260342-53-8P 260342-54-9P 260342-55-0P 260342-56-1P 260342-57-2P 260342-58-3P **260342-59-4P** 260342-60-7P 260342-61-8P 260382-23-8P 260382-24-9P 260382-25-0P 260382-26-1P 260382-27-2P 260382-28-3P 260382-29-4P 260382-30-7P 260382-31-8P **260534-87-0P** 260534-88-1P 260534-89-2P 260534-90-5P 260534-91-6P 260534-92-7P 260534-93-8P **260534-94-9P** 260534-95-0P 260534-96-1P 260534-97-2P 260534-98-3P 260534-99-4P 260535-00-0P 260535-01-1P 260535-02-2P 260535-03-3P 260535-04-4P 260535-05-5P 260535-06-6P 260535-07-7P 260535-08-8P 260535-09-9P 260535-10-2P 260535-11-3P 260535-12-4P 260535-13-5P 260535-14-6P 260535-15-7P 260535-16-8P 260535-17-9P 260535-18-0P 260535-19-1P 260535-20-4P 260535-21-5P 260535-22-6P 260535-23-7P 260535-24-8P 260535-25-9P 260535-26-0P 260535-27-1P 260535-28-2P 260535-29-3P 260535-30-6P 260535-31-7P 260535-32-8P 260535-33-9P 260535-34-0P 260535-35-1P 260535-36-2P 260535-37-3P 260535-38-4P 260535-39-5P 260535-40-8P 260535-41-9P 260535-42-0P 260535-43-1P 260535-44-2P 260535-45-3P 260535-46-4P 260535-47-5P 260535-48-6P 260535-49-7P 260535-50-0P 260535-51-1P 260535-52-2P 260535-53-3P 260535-54-4P 260535-55-5P 260535-56-6P 260535-57-7P 260774-48-9P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; nucleic acids encoding human membrane-bound proteins and receptors)
IT 244014-65-1, Cytokine EF-7 (human)
RL: PRP (Properties)
(unclaimed **protein sequence**; nucleic acids encoding human membrane-bound proteins and receptors)

L8 ANSWER 44 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:98720 CAPLUS
DOCUMENT NUMBER: 132:147628
TITLE: Cloning and cDNA and deduced amino acid sequences of 98 human secreted proteins
INVENTOR(S): Komatsoulis, George A.; Rosen, Craig A.; Ruben, Steven M.; Duan, Roxanne; Moore, Paul A.; Shi, Yanggu; Lafleur, David; Wei, Ying-Fei; Ni, Jian; Florence, Kimberly A.; Young, Paul E.; Brewer, Laurie A.; Soppet, Daniel R.; Endress, Gregory A.; Ebner, Reinhard; Olsen, Henrik S.; Mucenski, Michael
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 634 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 51

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006698	A1	20000210	WO 1999-US17130	19990729 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2339301	AA	20000210	CA 1999-2339301	19990729 <--
AU 9951347	A1	20000221	AU 1999-51347	19990729 <--
EP 1100869	A1	20010523	EP 1999-935985	19990729
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002521055	T2	20020716	JP 2000-562480	19990729
US 6476195	B1	20021105	US 2000-489847	20000124
US 2004034196	A1	20040219	US 2003-351334	20030127
PRIORITY APPLN. INFO.:			US 1998-94657P	P 19980730
			US 1998-95486P	P 19980805
			US 1998-95454P	P 19980806
			US 1998-95455P	P 19980806
			US 1998-96319P	P 19980812
			WO 1999-US17130	W 19990729
			US 2000-489847	A2 20000124
			US 2002-350898P	P 20020125

ED Entered STN: 11 Feb 2000

AB The present invention relates to 98 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C12N001-21
ICS C12N005-10; C12N015-11; C12N015-12; C12N015-63; A61K038-16; A61K038-17; C07K014-00; C07K014-435; C07K016-00; G01N033-50

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 98 human secreted proteins)

IT **Protein sequences**
(of 98 human secreted proteins)

IT 192141-70-1P 227289-55-6P 227308-31-8P 253579-85-0P 257854-01-6P
257854-02-7P 257854-03-8P 257854-04-9P 257854-05-0P 257854-06-1P
257854-07-2P 257854-08-3P 257854-09-4P 257854-10-7P 257854-11-8P
257854-12-9P 257854-13-0P 257854-14-1P 257854-15-2P 257854-16-3P
257854-17-4P 257854-18-5P 257854-19-6P 257854-20-9P 257854-21-0P
257854-22-1P 257854-23-2P 257854-24-3P 257854-25-4P 257854-26-5P
257854-27-6P 257854-28-7P 257854-29-8P 257854-30-1P 257854-31-2P

257854-32-3P 257854-33-4P 257854-34-5P 257854-35-6P 257854-36-7P
257854-37-8P 257854-38-9P 257854-39-0P 257854-40-3P 257854-41-4P
257854-42-5P 257854-43-6P 257854-44-7P 257854-45-8P 257854-46-9P
257854-47-0P **257854-48-1P** 257854-49-2P 257854-50-5P
257854-51-6P 257854-52-7P 257854-53-8P 257854-54-9P 257854-55-0P
257854-56-1P 257854-57-2P 257854-58-3P 257854-59-4P 257854-60-7P
257854-61-8P 257854-62-9P 257854-63-0P 257854-64-1P 257854-65-2P
257854-66-3P 257854-67-4P 257854-68-5P 257854-69-6P 257854-70-9P
257854-71-0P 257854-72-1P 257887-51-7P 257887-69-7P 257887-71-1P
257888-17-8P 257888-18-9P 257888-22-5P 257888-23-6P 257888-25-8P
257888-27-0P 257888-28-1P 257888-31-6P 257888-44-1P 257888-46-3P
257888-51-0P 257888-52-1P 257888-53-2P 257888-55-4P 257888-57-6P
257888-58-7P 257888-63-4P 257888-66-7P 257888-67-8P 257888-68-9P
257888-69-0P 257888-70-3P 257888-71-4P 257888-72-5P 257888-73-6P
257888-74-7P 257888-75-8P 257888-82-7P 257888-89-4P 257888-90-7P
257888-91-8P 257944-60-8P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 98 human secreted proteins)

IT 212838-41-0 257636-09-2 257854-74-3 257854-75-4 257854-76-5
257854-77-6 257854-78-7 257854-79-8 257854-80-1 257854-81-2
257854-82-3 257854-83-4 257854-84-5 257854-85-6 257854-86-7
257854-87-8 257854-88-9 257854-89-0 257854-90-3 257854-91-4
257854-92-5 257854-93-6 257854-94-7 257854-95-8 257854-96-9
257854-97-0 257854-98-1 257854-99-2 257855-00-8 257855-01-9
257855-02-0 257855-03-1 257855-04-2 257855-05-3 257855-06-4
257855-07-5 257855-08-6 257855-09-7 257855-10-0 257855-11-1
257855-12-2 257855-13-3 257855-14-4 257855-15-5 257855-16-6
257855-17-7 257855-18-8 257855-19-9 257855-20-2 257855-21-3
257855-22-4 257855-23-5 257855-24-6 257887-42-6 257887-44-8
257887-50-6 257887-54-0 257887-65-3 257887-81-3 257888-64-5
257888-65-6 257888-81-6 257888-86-1 257898-70-7 257898-71-8
257898-72-9 257898-73-0 257898-74-1 257898-75-2
257898-76-3 257898-77-4 257898-78-5 257898-79-6 257898-80-9
257898-81-0 257934-22-8 257944-61-9 257944-62-0
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 98 human secreted proteins)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 45 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:68575 CAPLUS
DOCUMENT NUMBER: 132:89795
TITLE: Plant genes encoding cellulose synthase proteins
INVENTOR(S): Allen, Stephen M.; Fader, Gary M.; Falco, Saverio Carl; Kinney, Anthony J.; Lightner, Jonathan E.; Miao, Guo-Hua; Rafalski, J. Antoni; Thorpe, Catherine J.
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
SOURCE: PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2000004166	A2	20000127	WO 1999-US15871	19990713 <--
WO 2000004166	A3	20000427		
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9951001	A1	20000207	AU 1999-51001	19990713 <--
US 2002120124	A1	20020829	US 2001-900237	20010706
US 6867352	B2	20050315		

PRIORITY APPLN. INFO.:	US 1998-92844P	P	19980714
	WO 1999-US15871	W	19990713
	US 2000-720383	A2	20001221

ED Entered STN: 28 Jan 2000

AB This invention relates to an isolated cDNA fragments encoding cellulose synthase proteins from barley, corn, rice, soybean, and wheat. The DNA sequences and deduced amino acid sequences are identified by their structural homol. to known cellulose synthases from Arabidopsis thaliana and Gossypium hirsutum. The invention also relates to the construction of a chimeric gene encoding all or a portion of the cellulose synthase protein, in sense or antisense orientation, wherein expression of the chimeric gene results in production of altered levels of the cellulose synthase protein in transformed monocot (corn), dicot (soybean), and microbial (Escherichia coli) host cells.

IC ICM C12N015-54
ICS C12N001-21; C12N009-10; C12Q001-48; C12Q001-68

CC 6-3 (General Biochemistry)
Section cross-reference(s): 3, 11

IT Dicotyledon (Magnoliopsida)
Escherichia coli
Monocotyledon (Liliopsida)
(expression of **chimeric** genes in; plant genes encoding cellulose synthase proteins)

IT **Protein sequences**
(of plant cellulose synthase proteins)

IT **Chimeric** gene
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(plant genes encoding cellulose synthase proteins)

IT 254961-63-2P 254961-65-4P 254961-67-6P 254961-69-8P 254961-71-2P
254961-73-4P 254961-75-6P 254961-77-8P 254961-79-0P
254961-81-4P 254961-83-6P
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; plant genes encoding cellulose synthase proteins)

IT 202017-15-0 203876-39-5 239441-77-1 254868-19-4 254962-19-1
254962-20-4 254962-21-5
RL: PRP (Properties)
(unclaimed **protein sequence**; plant genes encoding cellulose synthase proteins)

L8 ANSWER 46 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2000:68550 CAPLUS
DOCUMENT NUMBER:	132:103779
TITLE:	Cloning and cDNA and deduced amino acid sequences of 71 human secreted proteins
INVENTOR(S):	Ruben, Steven M.; Komatsoulis, George; Duan, Roxanne

D.; Rosen, Craig A.; Moore, Paul A.; Shi, Yang-Gu; Lafleur, David W.; Ebner, Reinhard; Olsen, Henrik S.; Brewer, Laurie A.; Florence, Kimberly A.; Young, Paul E.; Mucenski, Michael; Endress, Gregory A.; Soppet, Daniel R.
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA; et al.
SOURCE: PCT Int. Appl., 494 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 51
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000004140	A1	20000127	WO 1999-US15849		19990714 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2333917	AA	20000127	CA 1999-2333917		19990714 <--
AU 9952122	A1	20000207	AU 1999-52122		19990714 <--
EP 1097199	A1	20010509	EP 1999-937247		19990714
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2002520050	T2	20020709	JP 2000-560238		19990714
US 6534631	B1	20030318	US 2000-482273		20000113
US 2003017500	A1	20030123	US 2001-984276		20011029
US 2003040088	A1	20030227	US 2001-984271		20011029
PRIORITY APPLN. INFO.:			US 1998-92921P	P	19980715
			US 1998-92922P	P	19980715
			US 1998-92956P	P	19980715
			WO 1999-US15849	W	19990714
			US 2000-482273	A3	20000113

ED Entered STN: 28 Jan 2000
AB The present invention relates to 71 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.
IC ICM C12N015-11
ICS C12N015-00; C12N015-63; C07H021-02; C07H021-04
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 71 human secreted proteins)
IT **Protein sequences**

(of 71 human secreted proteins)
IT 255700-69-7 255700-70-0 255700-71-1 255700-72-2 255700-73-3
255700-74-4 255700-75-5 255700-76-6 255700-77-7 255700-78-8
255700-79-9 255700-80-2 255700-81-3 255700-82-4 255700-83-5
255700-84-6 255700-85-7 255700-86-8 255700-87-9 255700-88-0
255700-89-1 255700-90-4 255700-91-5 255700-92-6 **255700-93-7**
255700-94-8 255700-95-9 255700-96-0 255700-97-1 255700-98-2
255700-99-3 255701-00-9 255701-01-0 255701-02-1 255701-03-2
255701-04-3 255701-05-4 255701-06-5 255701-07-6 255701-08-7
255701-09-8 255701-10-1 255701-11-2 255701-12-3 255701-13-4
255718-72-0 255720-98-0 255721-26-7 255824-75-0
RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and
deduced amino acid sequences of 71 human secreted proteins)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 47 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:53914 CAPLUS
DOCUMENT NUMBER: 132:118340
TITLE: Identification of cDNA or its fragment of plant homologs to yeast ADA2 transcription coactivator
INVENTOR(S): Cahoon, Rebecca E.; Liu, Zhan-Bin; Odell, Joan T.; Sakai, Hajime
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000003026	A2	20000120	WO 1999-US15664	19990712 <--
WO 2000003026	A3	20000330		
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6248584	B1	20010619	US 1999-342648	19990629
US 6251668	B1	20010626	US 1999-342084	19990629
AU 9949845	A1	20000201	AU 1999-49845	19990712 <--

PRIORITY APPLN. INFO.: US 1998-92659P P 19980713
WO 1999-US15664 W 19990712

ED Entered STN: 23 Jan 2000
AB This invention relates to isolated cDNA or its fragment of plant homologs to yeast ADA transcription coactivator from corn, rice and soybean. The invention also relates to the construction of a chimeric gene encoding all or a portion of the transcription coactivator, in sense or antisense orientation, wherein expression of the chimeric gene results in production of altered levels of the transcription coactivator in a transformed host cell.
IC ICM C12N015-82
ICS C12N015-29; C07K014-415; C12N005-10; C12Q001-68
CC 3-2 (Biochemical Genetics)
Section cross-reference(s): 6, 11

IT **Chimeric** gene
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(indentification of cDNA or its fragment of plant homologs to yeast ADA2 transcription coactivator)
IT **Protein sequences**
cDNA sequences
(of gene ADA2 transcription coactivator homolog of corn, rice and soybean; indentification of cDNA or its fragment of plant homologs to yeast ADA2 transcription coactivator)
IT **255856-84-9P** 255856-85-0P 255856-86-1P 255856-87-2P
255856-88-3P 255901-54-3P
RL: AGR (Agricultural use); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; indentification of cDNA or its fragment of plant homologs to yeast ADA2 transcription coactivator)

L8 ANSWER 48 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:23195 CAPLUS
DOCUMENT NUMBER: 132:90045
TITLE: Mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3; **chimeric** enzymes and substitution mutants of them, and effects on enzymic activities
INVENTOR(S): Itano, Naoki; Yoshida, Mamoru; Kimata, Koji
PATENT ASSIGNEE(S): Seikagaku Kogyo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 30 pp.
CODEN: JKXXAF
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000004886	A2	20000111	JP 1998-193788	19980624 <--
PRIORITY APPLN. INFO.:			JP 1998-193788	19980624

ED Entered STN: 12 Jan 2000
AB The cDNA sequences encoding 3 isoforms of mouse hyaluronate synthase that have different properties have been isolated. A series of chimeric proteins comprised of the N-terminus, the middle region, and the C-terminus of the isoforms; and a series of substitution mutants generated by site-specific mutation of each isoforms are also described. The effects of the mutations on the enzymic activities of HAS are also shown. The DNA sequences encoding the chimeric proteins or substitution mutants are claimed.
IC ICM C12N015-09
ICS C12N009-00
CC 7-2 (Enzymes)
Section cross-reference(s): 13
ST mouse hyaluronate synthase isoform **chimeric** protein; substitution mutation mouse hyaluronate synthase
IT DNA sequences
(for **chimeric** proteins or substitution mutants of mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3)
IT Mouse
(mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3; **chimeric** enzymes and substitution mutants of them; and effects on enzymic activities)
IT **Fusion** proteins (**chimeric** proteins)

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
(mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3; **chimeric** enzymes and substitution mutants of them; and effects on enzymic activities)

IT **Protein sequences**
(of **chimeric** proteins or substitution mutants of mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3)

IT Mutation
(substitution; mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3; **chimeric** enzymes and substitution mutants of them; and effects on enzymic activities)

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RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation)
(amino acid sequence; mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3; **chimeric** enzymes and substitution mutants of them; and effects on enzymic activities)

IT 39346-43-5P, Hyaluronate synthase
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(unclaimed **protein sequence**; mouse hyaluronate synthase isoforms HAS1, HAS2, and HAS3; **chimeric** enzymes and substitution mutants of them; and effects on enzymic activities)

L8 ANSWER 49 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:784264 CAPLUS
DOCUMENT NUMBER: 132:31785
TITLE: Nucleic acids encoding membrane-bound proteins from human
INVENTOR(S): Baker, Kevin; Chen, Jian; Goddard, Audrey; Gurney, Austin L.; Smith, Victoria; Watanabe, Colin K.; Wood, William I.; Yuan, Jean
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 822 pp.
CODEN: PIXXD2

DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

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US	1998-187368	A1	19981106
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WO	1998-US25108	A	19981201
US	1998-202054	A1	19981207
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US	1998-113296P	P	19981222
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WO	1999-US5028	A	19990308
US	1999-123618P	P	19990310
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US	1999-123957P	P	19990312
US	1999-125775P	P	19990323
US	1999-128849P	P	19990412
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US	1999-140650P	P	19990622
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US	1999-149395P	P	19990817
US	1999-149396P	P	19990817
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US	1999-380142	B1	19990825
US	1999-151689P	P	19990831
WO	1999-US20111	A	19990901
US	1999-920594	A	19990908
WO	1999-US20594	W	19990908
WO	1999-US20944	W	19990913
US	1999-921090	A	19990915
WO	1999-US21090	A	19990915
WO	1999-US21547	W	19990915
CA	1999-2344465	A3	19991005
WO	1999-US23089	W	19991005
US	1999-158663P	P	19991008
US	1999-403297	B1	19991018
US	1999-162506P	P	19991029
US	1999-423844	B1	19991112
WO	1999-US28214	W	19991129
WO	1999-US28313	A	19991130
WO	1999-US28409	A	19991130
WO	1999-US28301	A	19991201

WO 1999-US28634	W	19991201
EP 1999-960644	A3	19991202
WO 1999-US28551	W	19991202
WO 1999-US28564	W	19991202
WO 1999-US28565	A	19991202
US 1999-170262P	P	19991209
WO 1999-US30095	W	19991216
US 1999-99309	A	19991220
WO 1999-US30911	W	19991220
WO 1999-US30999	W	19991220
WO 1999-US31274	W	19991230
WO 2000-US219	A	20000105
WO 2000-US277	W	20000106

ED Entered STN: 10 Dec 1999

AB The present invention is directed to 135 polypeptides and to nucleic acid mols. encoding those polypeptides. The extracellular domain sequences (including the secretion signal sequence, if any) from about 950 known secreted proteins from the Swiss-Prot public database were used to search EST (expressed sequence tag) databases, and this homol. screen used to assemble consensus DNA sequences relative to other identified EST sequences. Based upon the consensus sequences obtained, oligonucleotides were than synthesized and used to identify by PCR a cDNA library that contained the sequences of interest and for use as probes to isolate clones of full-length coding sequences for the PRO polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. This invention is particularly useful for screening compds. by using PRO polypeptides or binding fragment thereof in any of a variety of drug screening techniques.

IC ICM C12N015-12
ICS C07K014-705; C12N015-62; C07K016-28

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(nucleic acids encoding membrane-bound proteins from human)

IT **Protein sequences**
(of membrane-bound proteins from human)

IT 207624-44-0P, BS106 protein (human fragment) 209859-57-4P 212704-82-0P 212705-30-1P 212838-47-6P 213468-10-1P 213468-15-6P 217795-43-2P, Protein (human clone HP10230) 217795-45-4P, Protein (human clone HP10408) 217795-48-7P, Protein (human clone HP10419) 218948-50-6P 220706-50-3P 222190-03-6P 222614-92-8P 222618-83-9P 224301-63-7P 227792-85-0P 229477-07-0P 235088-04-7P 243122-35-2P 243646-92-6P, Protein (human prostate 371-amino acid) 243976-42-3P 244004-81-7P 244028-85-1P 249610-95-5P 251314-72-4P, Protein (human clone 586271 gene Lng107) 251929-74-5P 251929-75-6P 252049-74-4P 252049-78-8P 252049-80-2P 252049-82-4P 252049-85-7P 252049-87-9P 252049-91-5P 252049-94-8P 252050-01-4P 252050-03-6P 252050-18-3P 252050-21-8P 252050-24-1P 252050-26-3P 252050-28-5P 252050-31-0P 252050-35-4P 252050-39-8P 252050-43-4P 252050-49-0P 252050-53-6P 252050-55-8P 252050-58-1P 252050-61-6P 252050-63-8P 252050-75-2P 252050-78-5P 252050-81-0P 252050-83-2P 252050-85-4P 252050-88-7P 252050-92-3P 252051-00-6P 252051-07-3P 252051-18-6P 252051-27-7P 252051-29-9P 252051-32-4P 252051-35-7P 252051-38-0P 252051-40-4P 252051-43-7P 252051-45-9P 252051-48-2P 252051-50-6P 252051-54-0P 252051-56-2P 252051-59-5P 252051-62-0P 252051-66-4P 252051-68-6P 252052-09-8P

252193-66-1P 252196-55-7P 252196-58-0P 252196-62-6P 252196-69-3P
252196-71-7P 252196-74-0P 252196-77-3P 252196-79-5P 252196-81-9P
252196-83-1P 252196-85-3P 252196-88-6P 252196-92-2P 252196-94-4P
252196-96-6P 252196-98-8P 252197-00-5P 252197-03-8P 252197-05-0P
252197-08-3P 252197-10-7P 252197-14-1P 252197-17-4P 252197-20-9P
252197-23-2P 252197-31-2P 252197-34-5P 252197-37-8P 252197-41-4P
252197-45-8P 252197-48-1P 252197-51-6P 252197-53-8P 252197-76-5P
252197-80-1P **252197-85-6P** 252197-91-4P 252197-95-8P
252197-98-1P 252198-02-0P 252198-17-7P 252198-19-9P 252198-22-4P
252198-24-6P 252198-28-0P 252198-32-6P 252198-43-9P 252198-51-9P
252199-20-5P 252199-43-2P 252199-51-2P 252199-54-5P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; nucleic acids encoding membrane-bound proteins from human)

L8 ANSWER 50 OF 86 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:736899 CAPLUS
DOCUMENT NUMBER: 132:956
TITLE: Cloning and cDNA and deduced amino acid sequences of 97 human secreted proteins
INVENTOR(S): Ruben, Steven M.; Florence, Kimberly; Ni, Jian; Rosen, Craig A.; Carter, Kenneth C.; Moore, Paul A.; Olsen, Henrik S.; Shi, Yang-Gu; Young, Paul E.; Wei, Fing-Fei; Brewer, Laurie A.; Soppet, Daniel R.; Lafleur, David W.; Endress, Gregory A.; Ebner, Reinhard
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 475 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9958660	A1	19991118	WO 1999-US9847		19990506 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2332109	AA	19991118	CA 1999-2332109		19990506 <--
CA 2404693	AA	19991118	CA 1999-2404693		19990506 <--
EP 1078046	A1	20010228	EP 1999-921691		19990506
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
JP 2002533058	T2	20021008	JP 2000-548451		19990506
US 2003077809	A1	20030424	US 2001-892877		20010628
US 2003100051	A1	20030529	US 2001-948783		20010910
PRIORITY APPLN. INFO.:			US 1998-85093P	P	19980512
			US 1998-85094P	P	19980512
			US 1998-85105P	P	19980512

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US 1998-85906P	P	19980518
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CA 1999-2332109	A3	19990506
WO 1999-US9847	W	19990506
US 1999-437658	B1	19991110
US 2000-231846P	P	20000911
US 2001-892877	A2	20010628

ED Entered STN: 19 Nov 1999

AB The present invention relates to 97 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C12N015-00
ICS C12N015-12; C07K014-00; C07K014-435

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 97 human secreted proteins)

IT **Protein sequences**
(of 97 human secreted proteins)

IT

225371-77-7P	250366-76-8P	250366-83-7P	250366-90-6P	250366-99-5P
250367-02-3P	250367-18-1P	250367-34-1P	250367-39-6P	250367-52-3P
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250367-97-6P	250368-00-4P	250368-03-7P	250368-05-9P	
250368-07-1P	250368-11-7P	250368-14-0P	250368-15-1P	250368-17-3P
250368-18-4P	250368-22-0P	250368-23-1P	250368-25-3P	250368-27-5P
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250369-18-7P	250369-21-2P	250369-24-5P	250369-26-7P	250369-29-0P
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250370-21-9P	250370-26-4P	250370-30-0P	250370-32-2P	250370-40-2P
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250370-76-4P	250370-79-7P	250371-04-1P	250371-13-2P	250371-26-7P
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250610-92-5P	250610-96-9P	250611-02-0P	250611-05-3P	250611-14-4P
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RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU

(Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 97 human secreted proteins)

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RL: PRP (Properties)
(unclaimed **protein sequence**; cloning and cDNA and deduced amino acid sequences of 97 human secreted proteins)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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Claim 58

Agnes Rooke 10/015,956

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=> d his ful

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L3             8 SEA ABB=ON  PLU=ON  L1 AND SQL<50
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FILE LAST UPDATED: 18 Jan 2006  (20060118/ED)

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'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

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L15          143 SEA FILE=CAPLUS ABB=ON  PLU=ON  L14 AND  PY<2001
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L16 125 SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND P/DT

=> d .ca l16 21-50

L16 ANSWER 21 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:461199 CAPLUS
DOCUMENT NUMBER: 137:32059
TITLE: Proteins and genes from Mycobacterium vaccae and methods for treatment and diagnosis of mycobacterial infections
INVENTOR(S): Tan, Paul; Visser, Elizabeth; Prestidge, Ross; Watson, James D.
PATENT ASSIGNEE(S): Genesis Research and Development Corporation Limited, N. Z.
SOURCE: U.S., 147 pp., Cont.-in-part of U.S. Ser. No. 95,855. CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6406704	B1	20020618	US 1998-205426	19981204
US 6284255	B1	20010904	US 1996-705347	19960829
US 6001361	A	19991214	US 1997-873970	19970612 <--
US 5985287	A	19991116	US 1997-997362	19971223 <--
US 6160093	A	20001212	US 1998-95855	19980611 <--
CA 2315539	AA	19990701	CA 1998-2315539	19981223 <--
WO 9932634	A2	19990701	WO 1998-NZ189	19981223 <--
WO 9932634	A3	19991202		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9918936	A1	19990712	AU 1999-18936	19981223 <--
AU 746311	B2	20020418		
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TR 200001948	T2	20010221	TR 2000-200001948	19981223
JP 2002514385	T2	20020521	JP 2000-525553	19981223
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PRIORITY APPLN. INFO.:

US 1996-705347	A2	19960829
US 1997-873970	A2	19970612
US 1997-997362	A2	19971223
US 1998-95855	A2	19980611
US 1997-996624	A	19971223
US 1997-997080	A	19971223
IN 1998-CA242	A	19980216

US 1998-156181 A 19980917
US 1998-205426 A 19981204
WO 1998-NZ189 W 19981223

ED Entered STN: 20 Jun 2002

AB The present invention provides polypeptides comprising an immunogenic portion of a Mycobacterium vaccae protein and DNA mols. encoding such polypeptides, together with methods for their use in the diagnosis and treatment of mycobacterial infection, including M. tuberculosis and M. avium. The invention is further related to compds. that function as non-specific immune response amplifiers, and the use of such nonspecific immune response amplifiers as adjuvants in vaccination or immunotherapy against infectious disease, and in certain treatments for immune disorders and cancer. Methods for enhancing the immune response to an antigen including administration of M. vaccae culture filtrate, delipidated M. vaccae cells, or delipidated and deglycolipidated M. vaccae cells are also provided.

IC ICM A61K039-04
ICS A61K032-02; G12N001-12

INCL 424248100

CC 15-2 (Immunochemistry)
Section cross-reference(s): 3, 6, 10

IT **Fusion** proteins (**chimeric** proteins)
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(proteins and genes from Mycobacterium vaccae and methods for treatment and diagnosis of mycobacterial infections)

IT 437129-88-9 437129-90-3 437129-93-6 437129-94-7 437129-96-9
437129-98-1 437130-00-2 437130-02-4 437130-04-6 437130-06-8
437130-07-9 437130-09-1 437130-11-5 437130-13-7 437130-14-8
437130-17-1 437130-19-3 437130-21-7 437130-23-9 437130-25-1
437130-27-3 437130-29-5 437130-31-9 **437130-34-2**
437130-35-3 437130-37-5 437130-39-7 **437130-41-1**
437130-43-3 437130-46-6 437130-47-7 437130-49-9
437130-51-3 437130-54-6 437130-56-8 437130-58-0 437130-60-4
437130-62-6 437130-64-8 437130-66-0 437130-68-2 437130-70-6
437130-72-8 437130-74-0 437130-76-2 437130-78-4 437130-85-3
437130-87-5 437130-91-1 437130-92-2 437130-93-3
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; proteins and genes from Mycobacterium vaccae and methods for treatment and diagnosis of mycobacterial infections)

IT 437134-78-6 437134-79-7 437134-80-0 437134-81-1 437134-82-2
437134-83-3 437134-84-4 **437134-98-0** 437135-09-6
437135-23-4
RL: PRP (Properties)
(unclaimed protein sequence; proteins and genes from Mycobacterium vaccae and methods for treatment and diagnosis of mycobacterial infections)

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 22 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:334920 CAPLUS
DOCUMENT NUMBER: 136:320425
TITLE: Cloning and characterization of human and murine Rse and HPTK6 receptor protein tyrosine kinases and their antibodies
INVENTOR(S): Godowski, Paul J.; Mark, Melanie R.; Scadden, David T.
PATENT ASSIGNEE(S): Genentech, Inc., USA; New England Deaconess Hospital

SOURCE: U.S., 79 pp., Cont. of U.S. Ser. No. 170,558.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5709858	A	19980120	US 1995-445640	19950522 <--
US 6001621	A	19991214	US 1993-170558	19931220 <--
CA 2175893	AA	19950601	CA 1994-2175893	19941115 <--
US 6087144	A	20000711	US 1995-447314	19950522 <--
US 6096527	A	20000801	US 1995-445461	19950522 <--
US 2002147325	A1	20021010	US 1998-223490	19981230
US 6825324	B2	20041130		
US 2003204072	A1	20031030	US 1999-236939	19990125
US 2004224386	A1	20041111	US 2003-646760	20030825
PRIORITY APPLN. INFO.:			US 1993-157563	B1 19931123
			US 1993-170558	A1 19931220
			US 1998-223490	A1 19981230

ED Entered STN: 06 May 2002

AB Two protein tyrosine kinase receptors, designated Rse and HPTK6, are provided from human and/or murine cell tissues. Rse and HPTK6 were cloned from a cDNA library of a human liver carcinoma cell line (i.e., Hep 3B) using PCR amplification with degenerate oligodeoxyribonucleotide primers designed from sequences encoding conserved amino acids in tyrosine kinases. The murine homolog of Rse was obtained by screening a murine brain cDNA library with a random-primed probe corresponding to nucleotides 1-1163 from human Rse cDNA. Northern blot yielded tissue expression profiles, and the human Rse gene was localized on chromosome 15. Provided herein are nucleic acid sequences encoding Rse and HPTK6 useful as diagnostics and in the recombinant preparation of Rse and HPTK6. Rse and HPTK6 are used in the preparation and purification of antibodies thereto and in diagnostic assays.

IC ICM A61K039-395
ICS C07K016-28
INCL 424143100
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 7, 13, 15
IT Human herpesvirus 1
(**fusion** products with glycoprotein gD of; cloning and characterization of human and murine Rse and HPTK6 receptor protein tyrosine kinases and their antibodies)
IT Glycoproteins
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gD, **fusion** products with herpes simplex virus 1; cloning and characterization of human and murine Rse and HPTK6 receptor protein tyrosine kinases and their antibodies)
IT **412405-53-9P** 412405-55-1P 412405-57-3P 412405-59-5P
412405-61-9P 412405-63-1P
RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and characterization of human and murine Rse and HPTK6 receptor protein tyrosine kinases and their antibodies)
IT 412310-27-1 412310-28-2 412310-29-3 412310-30-6 412310-31-7
412405-82-4 412405-83-5

RL: PRP (Properties)
(unclaimed sequence; cloning and characterization of human and murine Rse and HPTK6 receptor protein tyrosine kinases and their antibodies)
REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 23 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:153668 CAPLUS
DOCUMENT NUMBER: 136:215389
TITLE: Vaccine compositions and methods for the prevention and treatment of Mycobacterium tuberculosis infection
INVENTOR(S): Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.
PATENT ASSIGNEE(S): Corixa Corporation, USA
SOURCE: U.S., 156 pp., Cont.-in-part of U.S. Ser. No. 25,197, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6350456	B1	20020226	US 1998-56556	19980407
US 6290969	B1	20010918	US 1997-818112	19970313
ZA 9901303	A	20000315	ZA 1999-1303	19990218 <--
CA 2326598	AA	19991014	CA 1999-2326598	19990407 <--
WO 9951748	A2	19991014	WO 1999-US7717	19990407 <--
WO 9951748	A3	20000203		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9934817	A1	19991025	AU 1999-34817	19990407 <--
AU 753995	B2	20021031		
EP 1068329	A2	20010117	EP 1999-916513	19990407
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
TR 200002938	T2	20010221	TR 2000-200002938	19990407
BR 9909472	A	20010911	BR 1999-9472	19990407
ZA 200005505	A	20020103	ZA 2000-5505	19990407
US 2002009459	A1	20020124	US 1999-287849	19990407
US 6627198	B2	20030930		
NZ 507378	A	20021220	NZ 1999-507378	19990407
NO 2000005050	A	20001130	NO 2000-5050	20001006 <--
AU 765833	B2	20031002	AU 2000-71762	20001122
US 2003147911	A1	20030807	US 2003-359460	20030205
US 6977069	B2	20051220		

PRIORITY APPLN. INFO.:		
US 1997-818112	A2	19970313
US 1997-942578	B2	19971001
US 1998-25197	B2	19980218
US 1995-523436	B2	19950901
US 1995-533634	B2	19950922
US 1996-620874	B2	19960322
US 1996-659683	A2	19960605
US 1996-680574	A2	19960712

AU	1996-71586	A3 19960930
US	1996-730510	A2 19961011
US	1998-56556	A 19980407
US	1998-223040	A 19981230
US	1999-287849	B1 19990407
WO	1999-US7717	W 19990407

ED Entered STN: 28 Feb 2002

AB Compns. and methods for treatment and vaccination against tuberculosis are disclosed. In one aspect the compns. provided include at least two polypeptides that contain an immunogenic portion of a M. tuberculosis antigen or at least two DNA mols. encoding such polypeptides. In a second aspect, the compns. provided include a fusion protein comprising at least two polypeptides that contain an immunogenic portion of a M. tuberculosis antigen. Such compns. may be formulated into vaccines and/or pharmaceutical compns. for immunization against M. tuberculosis infection, or may be used for the diagnosis of tuberculosis. The vaccine compns. may also comprises immune adjuvant such as 3D-MPL or QS21 and immunostimulatory cytokine or chemokine, and is formulated in oil-in-water emulsion.

IC ICM A61K003-04
ICS A61K039-40; C12Q001-68; G01N033-53; C12N001-12

INCL 424248100

CC 15-2 (Immunochemistry)
Section cross-reference(s): 3, 63

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Mycobacterium tuberculosis antigens for diagnosis and treatment of tuberculosis)

IT 188686-18-2P 401884-60-4P 401884-61-5P 401884-62-6P 401884-63-7P
401884-64-8P 401884-65-9P 401884-66-0P 401884-67-1P 401884-68-2P
401884-69-3P 401884-70-6P 401884-71-7P 401884-72-8P 401884-73-9P
401884-74-0P 401884-75-1P 401884-76-2P 401884-77-3P 401884-78-4P
401884-79-5P 401884-80-8P 401884-81-9P 401884-82-0P 401884-83-1P
401884-84-2P 401884-85-3P 401884-86-4P 401884-87-5P 401884-88-6P
401884-89-7P 401884-91-1P 401884-93-3P 401884-95-5P 401884-98-8P
401885-00-5P 401885-02-7P 401885-05-0P 401885-06-1P 401885-08-3P
401885-42-5P 401885-43-6P 401885-44-7P 401885-45-8P 401885-46-9P
401885-47-0P 401885-48-1P 401885-49-2P 401885-50-5P 401885-51-6P
401885-52-7P 401885-53-8P 401885-54-9P 401885-55-0P 401885-56-1P
401885-57-2P 401885-59-4P 401885-60-7P 401885-61-8P
401885-62-9P 401885-63-0P 401885-64-1P 401885-65-2P
401885-66-3P 401885-67-4P 401885-68-5P 401885-69-6P 401885-70-9P
401885-71-0P 401885-72-1P 401885-73-2P 401885-74-3P 401885-75-4P
401885-76-5P
RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; mycobacterium tuberculosis antigens for diagnosis and treatment of tuberculosis)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 24 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:90102 CAPLUS
DOCUMENT NUMBER: 136:146183
TITLE: Nucleic acid and protein compositions and methods for the diagnosis and treatment of disorders involving

angiogenesis

INVENTOR(S): Baker, Kevin P.; Ferrara, Napoleone; Gerber, Hanspeter; Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Hillan, Kenneth J.; Marsters, Scot A.; Pan, James; Paoni, Nicholas F.; Stephan, Jean-Philippe F.; Watanabe, Colin K.; Williams, P. Mickey; Wood, William I.; Ye, Weilan

PATENT ASSIGNEE(S): Genentech, Inc., USA

SOURCE: PCT Int. Appl., 567 pp.
CODEN: PIXXD2

DOCUMENT TYPE: **Patent**

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 143

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008284	A2	20020131	WO 2001-US21735	20010709
WO 2002008284	A3	20030313		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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NZ 528704	A	20050225	NZ 1999-528704	19990308
CA 2450824	AA	20000420	CA 1999-2450824	19991005 <--
EP 1466977	A1	20041013	EP 2004-7618	19991202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
NZ 523206	A	20041224	NZ 2000-523206	20000211
NZ 523207	A	20041224	NZ 2000-523207	20000211
NZ 517395	A	20040130	NZ 2000-517395	20000309
WO 2001009327	A2	20010208	WO 2000-US20710	20000728
WO 2001009327	A3	20010802		
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US 6642024	B1	20031104	US 2000-643657	20000817
WO 2001016319	A2	20010308	WO 2000-US23522	20000823
WO 2001016319	A3	20011004		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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CA 2481685 AA 20010308 CA 2000-2481685 20000824
CA 2481691 AA 20010308 CA 2000-2481691 20000824
CA 2481731 AA 20010308 CA 2000-2481731 20000824
CA 2481756 AA 20010308 CA 2000-2481756 20000824
CA 2481788 AA 20010308 CA 2000-2481788 20000824
WO 2001016318 A2 20010308 WO 2000-US23328 20000824
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CA 2390685 AA 20010712 CA 2000-2390685 20001108
WO 2001049715 A2 20010712 WO 2000-US30952 20001108
WO 2001049715 A3 20020404
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
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WO 2001040465 A2 20010607 WO 2000-US30873 20001110
WO 2001040465 A3 20020321
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AU 2001068028 A5 20010924 AU 2001-68028 20001129
US 2002058309 A1 20020516 US 2001-866028 20010525
US 6642360 B2 20031104
CA 2419541 AA 20020228 CA 2001-2419541 20010530
JP 2004520811 T2 20040715 JP 2002-522282 20010530
EP 1309685 A2 20030514 EP 2001-951036 20010709
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
US 2002192659 A1 20021219 US 2001-902853 20010710
US 2003044839 A1 20030306 US 2001-902903 20010710
US 2003054400 A1 20030320 US 2001-902692 20010710
US 2003003530 A1 20030102 US 2001-904011 20010711
US 2003017463 A1 20030123 US 2001-903640 20010711
US 2003044793 A1 20030306 US 2001-903786 20010711
US 2003054401 A1 20030320 US 2001-903520 20010711
US 2003054349 A1 20030320 US 2001-903943 20010711
US 2002160374 A1 20021031 US 2001-905291 20010712
US 2003036060 A1 20030220 US 2001-904859 20010712
US 2003039969 A1 20030227 US 2001-904786 20010712
US 2003054441 A1 20030320 US 2001-905056 20010712
US 2003036094 A1 20030220 US 2001-904820 20010713
US 2003054351 A1 20030320 US 2001-904462 20010713

US 6878807	B2	20050412		
US 2003059828	A1	20030327	US 2001-904553	20010713
US 2003059829	A1	20030327	US 2001-905381	20010713
US 6818746	B2	20041116		
US 2003064367	A1	20030403	US 2001-904485	20010713
US 2003064923	A1	20030403	US 2001-905348	20010713
US 2003023054	A1	20030130	US 2001-906742	20010716
US 2003027143	A1	20030206	US 2001-906838	20010716
US 2003039971	A1	20030227	US 2001-906646	20010716
US 6852848	B2	20050208		
US 2003039972	A1	20030227	US 2001-906700	20010716
US 6723535	B2	20040420		
US 2002197671	A1	20021226	US 2001-907824	20010717
US 2002198366	A1	20021226	US 2001-907841	20010717
US 2003017498	A1	20030123	US 2001-908093	20010717
US 2003027145	A1	20030206	US 2001-907613	20010717
US 2003027146	A1	20030206	US 2001-907942	20010717
US 2003054352	A1	20030320	US 2001-907925	20010717
US 2002132240	A1	20020919	US 2001-909320	20010718
US 2002146709	A1	20021010	US 2001-909088	20010718
US 2003036061	A1	20030220	US 2001-909204	20010718
US 2003059772	A1	20030327	US 2001-909064	20010718
US 6818449	B2	20041116		
AU 758921	B2	20030403	AU 2001-57764	20010801
AU 759004	B2	20030403	AU 2001-57765	20010801
CA 2420193	AA	20020228	CA 2001-2420193	20010823
WO 2002016602	A2	20020228	WO 2001-US26626	20010823
WO 2002016602	A3	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001086785	A5	20020304	AU 2001-86785	20010823
US 2002161199	A1	20021031	US 2001-938418	20010823
EP 1311668	A2	20030521	EP 2001-966255	20010823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004520810	T2	20040715	JP 2002-522275	20010823
EP 1341814	A2	20030910	EP 2001-985272	20010829
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003073129	A1	20030417	US 2001-946374	20010904
AU 2002016610	A5	20020402	AU 2002-16610	20010919
US 2003203446	A1	20031030	US 2001-210028	20011018
US 2003104536	A1	20030605	US 2001-166709	20011019
US 2003180867	A1	20030925	US 2001-145089	20011019
US 2003186365	A1	20031002	US 2001-145017	20011019
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US	1998-97000P	P	19980818
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AU 1998-93881	A3	19980914
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US 1998-105169P	P	19981022
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US 1998-109304P	P	19981120
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US 1998-202054	A1	19981207
US 1998-112514P	P	19981215
US 1998-216021	B1	19981216
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WO 1999-US30911	A	19990220
US 1999-254311	A1	19990303
WO 1999-US5028	A1	19990308
WO 1999-US5190	A	19990310
US 1999-123972P	P	19990311
US 1999-123957P	P	19990312
US 1999-125774P	P	19990323
US 1999-125778P	P	19990323
US 1999-125826P	P	19990324
US 1999-127035P	P	19990331
US 1999-127706P	P	19990405
US 1999-129122P	P	19990413

US	1999-130359P	P	19990421
US	1999-131270P	P	19990427
US	1999-131272P	P	19990427
US	1999-131291P	P	19990427
US	1999-131293P	P	19990427
US	1999-131445P	P	19990428
US	1999-132371P	P	19990504
US	1999-132379P	P	19990504
US	1999-132383P	P	19990504
US	1999-311832	A1	19990514
WO	1999-US10733	A	19990514
US	1999-135750P	P	19990525
WO	1999-US12252	A1	19990602
US	1999-138166P	P	19990608
US	1999-139695P	P	19990615
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US	1999-143048P	P	19990707
US	1999-144706P	P	19990720
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US	1999-145905P	P	19990727
US	1999-146042P	P	19990727
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US	1999-146834P	P	19990803
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US	1999-146919P	P	19990803
US	1999-146951P	P	19990803
US	1999-146962P	P	19990803
US	1999-146963P	P	19990803
US	1999-146969P	P	19990803
US	1999-146970P	P	19990803
US	1999-146989P	P	19990803
US	1999-148109P	P	19990810
US	1999-148186P	P	19990810
US	1999-148187P	P	19990810
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US	1999-149395P	P	19990817
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US	1999-149412P	P	19990817
US	1999-380137	B1	19990825
US	1999-380138	B1	19990825
US	1999-380139	B1	19990825
US	1999-380142	B1	19990825
US	1999-151616P	P	19990831
US	1999-151689P	P	19990831
US	1999-151733P	P	19990831
US	1999-151735P	P	19990831
US	1999-151798P	P	19990831
US	1999-151799P	P	19990831

WO	1999-US20111	W	19990901
US	1999-920594	A	19990908
WO	1999-US20594	A	19990908
WO	1999-US20944	W	19990913
US	1999-153857P	P	19990914
US	1999-153904P	P	19990914
US	1999-921090	A	19990915
WO	1999-US21090	W	19990915
WO	1999-US21194	A	19990915
WO	1999-US21547	A	19990915

ED Entered STN: 01 Feb 2002

AB Nucleic acid and protein compns. and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Thus, 187 cDNAs and their encoded protein sequences isolated from human cDNA libraries are identified by extracellular domain homol. screening, amylase screening, and signal algorithm anal. The pharmaceutical compns. are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compns. herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention, and to methods for producing the polypeptides of the present invention.

IC C07K014-475

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 9, 13, 63

IT Epitopes
(**chimeric** proteins containing; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT Antibodies and Immunoglobulins
RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fragments, **chimeric** proteins containing Fc region; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

IT 393196-70-8P 393196-72-0P 393196-74-2P 393196-76-4P 393196-78-6P
393196-80-0P 393196-82-2P 393196-84-4P 393196-86-6P 393196-88-8P
393196-90-2P 393196-92-4P 393196-94-6P 393196-96-8P 393196-98-0P
393197-00-7P 393197-02-9P 393197-04-1P 393197-06-3P 393197-08-5P
393197-10-9P 393197-12-1P 393197-14-3P 393197-16-5P 393197-18-7P
393197-20-1P 393197-22-3P 393197-24-5P 393197-26-7P 393197-28-9P
393197-30-3P 393197-32-5P 393197-34-7P 393197-36-9P 393197-38-1P
393197-40-5P 393197-42-7P 393197-44-9P, Protein PRO7261 (human clone DNA49149) 393197-46-1P 393197-48-3P 393197-50-7P 393197-52-9P
393197-54-1P 393197-56-3P 393197-58-5P 393197-60-9P 393197-62-1P
393197-64-3P 393197-66-5P 393197-68-7P 393880-97-2P 393880-99-4P
393881-01-1P 393881-03-3P 393881-05-5P 393881-07-7P 393881-09-9P
393881-11-3P 393881-13-5P 393881-15-7P 393881-17-9P 393881-19-1P
393881-21-5P 393881-23-7P 393881-25-9P 393881-27-1P 393881-29-3P

393881-31-7P 393881-33-9P 393881-35-1P 393881-37-3P 393881-39-5P
393881-41-9P 393881-43-1P 393881-45-3P 393881-47-5P 393881-49-7P
393881-51-1P 393881-53-3P 393881-55-5P 393881-57-7P 393881-59-9P
393881-61-3P 393881-63-5P 393881-65-7P 393881-67-9P 393881-69-1P
393881-71-5P 393881-73-7P 393881-75-9P 393881-77-1P 393881-79-3P
393881-81-7P 393881-83-9P 393881-85-1P 393881-87-3P 393881-89-5P
393881-91-9P 393881-93-1P 393881-95-3P 393881-97-5P 393881-99-7P
393882-01-4P 393882-03-6P 393882-05-8P 393882-07-0P 393882-09-2P
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393882-21-8P 393882-23-0P 393882-25-2P 393882-27-4P 393882-29-6P
393882-31-0P 393882-33-2P 393882-35-4P 393882-37-6P 393882-39-8P
393882-41-2P 393882-43-4P 393882-45-6P 393882-47-8P 393882-49-0P
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393882-71-8P 393882-73-0P 393882-75-2P 393882-77-4P 393882-79-6P
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393883-31-3P 393883-33-5P 393883-35-7P, Protein PRO4553 (human clone DNA103223) 393883-37-9P 393883-39-1P 393883-41-5P 393883-43-7P
393883-45-9P 393883-47-1P 393883-49-3P 393883-51-7P 393883-53-9P
393883-55-1P 393883-57-3P **393883-59-5P** 393883-61-9P
393883-63-1P 393883-65-3P 393883-67-5P 393883-69-7P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; nucleic acid and protein compns. and methods for the diagnosis and treatment of disorders involving angiogenesis)

L16 ANSWER 25 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:72710 CAPLUS
DOCUMENT NUMBER: 136:149852
TITLE: **Fusion** proteins of Mycobacterium tuberculosis antigens and their uses
INVENTOR(S): Reed, Steven G.; Skeiky, Yasir A.; Dillon, Davin C.; Alderson, Mark; Campos-Neto, Antonio
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 62 pp., Cont.-in-part of U.S. Ser. No. 223,040.
CODEN: USXXCO
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002009459	A1	20020124	US 1999-287849	19990407
US 6627198	B2	20030930		
US 6290969	B1	20010918	US 1997-818112	19970313
US 6350456	B1	20020226	US 1998-56556	19980407
US 6544522	B1	20030408	US 1998-223040	19981230
ZA 9901303	A	20000315	ZA 1999-1303	19990218 <--
TW 223001	B1	20041101	TW 1999-88105532	19990426
AU 765833	B2	20031002	AU 2000-71762	20001122
US 2003147911	A1	20030807	US 2003-359460	20030205
US 6977069	B2	20051220		

US 2004013677	A1	20040122	US 2003-359459	20030205
PRIORITY APPLN. INFO.:			US 1997-818112	A2 19970313
			US 1997-942578	B2 19971001
			US 1998-25197	B2 19980218
			US 1998-56556	A2 19980407
			US 1998-223040	A2 19981230
			US 1995-523436	B2 19950901
			US 1995-533634	B2 19950922
			US 1996-620874	B2 19960322
			US 1996-659683	A2 19960605
			US 1996-680574	A2 19960712
			AU 1996-71586	A3 19960930
			US 1996-730510	A2 19961011
			US 1999-287849	B1 19990407

ED Entered STN: 27 Jan 2002

AB The present invention relates to fusion proteins containing at least two Mycobacterium tuberculosis antigens. In particular, it relates to bi-fusion proteins which contain two individual M. tuberculosis antigens, tri-fusion proteins which contain three M. tuberculosis antigens, tetra-fusion proteins which contain four M. tuberculosis antigens, and penta-fusion proteins which contain five M. tuberculosis antigens, and methods for their use in the diagnosis, treatment and prevention of tuberculosis infection.

IC ICM A61K039-02

INCL 424190100

CC 15-2 (Immunochemistry)
Section cross-reference(s): 3

ST Mycobacterium tuberculosis antigen **fusion** protein vaccine

IT Cell proliferation
(T cell; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Immunostimulants
(adjuvants; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Immunity
(cell-mediated; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT B cell (lymphocyte)
DNA sequences
Molecular cloning
Mycobacterium tuberculosis
Nucleic acid hybridization
Protein sequences
T cell (lymphocyte)
Tuberculosis
Vaccines
(**fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Antigens
Fusion proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Cytokines
Interleukin 4
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(**fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Antibodies and Immunoglobulins
Polynucleotides
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Immunity
(humoral; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Animal
(non-human; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT T cell (lymphocyte)
(proliferation; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT DNA
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(recombinant; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT Interferons
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(γ; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT 393597-30-3P 393597-31-4P 393597-32-5P 393597-33-6P 393597-34-7P
393597-35-8P 393597-36-9P 393597-37-0P 393597-38-1P 393597-39-2P
393597-40-5P 393597-41-6P 393597-42-7P 393597-72-3P
393597-73-4P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

IT 393597-43-8P 393597-44-9P 393597-45-0P 393597-46-1P 393597-47-2P
393597-48-3P 393597-49-4P 393597-50-7P 393597-51-8P 393597-52-9P
393597-53-0P 393597-54-1P 393597-55-2P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(nucleotide sequence; **fusion** proteins of Mycobacterium tuberculosis antigens and their uses)

L16 ANSWER 26 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:41632 CAPLUS
DOCUMENT NUMBER: 136:117361
TITLE: Stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens
INVENTOR(S): Young, Richard A.
PATENT ASSIGNEE(S): Whitehead Institute for Biomedical Research, USA
SOURCE: U.S., 29 pp., Cont.-in-part of WO9429459.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6338952	B1	20020115	US 1994-336251	19941103
WO 8912455	A1	19891228	WO 1989-US2619	19890615 <--

W: JP
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
WO 9429459 A1 19941222 WO 1994-US6362 19940606 <--
W: CA, JP
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
EP 1221488 A1 20020710 EP 2001-203598 19940606
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE
US 6335183 B1 20020101 US 1995-461722 19950605
US 6482614 B1 20021119 US 1999-468041 19991221
US 2003073094 A1 20030417 US 2002-46649 20020114
US 2005163792 A1 20050728 US 2004-880771 20040628
PRIORITY APPLN. INFO.: US 1988-207298 B2 19880615
US 1989-366581 B1 19890615
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US 1991-804632 B2 19911209
US 1993-73381 B2 19930604
WO 1994-US6362 A2 19940606
EP 1994-919384 A3 19940606
US 1994-336251 B1 19941103
US 1995-461720 B1 19950605
US 2002-46649 B1 20020114

ED Entered STN: 16 Jan 2002

AB The present invention relates to stress proteins and methods of modulating an individual's immune response. In particular, it relates to the use of such stress proteins in immune therapy and prophylaxis, which results in an induction or enhancement of an individual's immune response and as an immunotherapeutic agent which results in a decrease of an individual's immune response to his or her own cells. The present invention also relates to compns. comprising a stress protein joined to another component, such as a fusion protein in which a stress protein is fused to an antigen. Further, the present invention relates to a method of generating antibodies to a substance using a conjugate comprised of a stress protein joined to the substance.

IC ICM C12P021-04
ICS A61K039-21; A61K039-04; C12N015-00
INCL 435069700
CC 15-2 (Immunochemistry)
Section cross-reference(s): 9, 63
ST stress protein **chimera** immunomodulator vaccine
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(65kDa; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(71kDa; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)
IT Molecular chaperones
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(DnaJ; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)
IT Molecular chaperones
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(DnaK; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)
IT Molecular chaperones

RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(GroEL; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Molecular chaperones
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(GroES; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Heat-shock proteins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(HSP 60; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Heat-shock proteins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(HSP 65; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Heat-shock proteins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(HSP 70; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Heat-shock proteins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(HSP 90; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Proteins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(P1; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Immunostimulants
(adjuvants; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(autoantigens; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Antibodies and Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(monoclonal; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT gag proteins
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(p24gag; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Polyproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(pol; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Autoimmune disease
Chromatography
Escherichia coli
Eubacteria

Fungi
Human
Human immunodeficiency virus
Immune tolerance
Immunotherapy
Mammalia
Microorganism
Mycobacterium
Mycobacterium bovis
Mycobacterium leprae
Mycobacterium tuberculosis
Parasite
Pathogen
Protein sequences
Rheumatoid arthritis
Vaccines
Vertebrata
Virus
(stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Antibodies and Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT gag proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Antigens
Fusion proteins (**chimeric** proteins)
Gene, microbial
Heat-shock proteins
Toxins
Tumor antigens
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT Proteins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stress-induced; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

IT **389998-15-6**, Protein P1 (human) **389998-16-7**, Chaperonin GroEL (Escherichia coli) **389998-17-8 389998-18-9**
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; stress proteins as immunomodulators and in vaccines as **fusion** proteins with antigens)

REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 27 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:895574 CAPLUS
DOCUMENT NUMBER: 136:52707
TITLE: Methods for the treatment of immunologically-mediated skin disorders
INVENTOR(S): Watson, James D.; Tan, Paul L. J.; Prestidge, Ross

PATENT ASSIGNEE(S): Genesis Research & Development Corp. Ltd., N. Z.
SOURCE: U.S., 116 pp., Cont.-in-part of U.S. 5,968,524.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6328978	B1	20011211	US 1999-324542	19990602
US 5968524	A	19991019	US 1997-997080	19971223 <--
IN 188709	A	20021026	IN 2000-CA231	20000419
US 2003007976	A1	20030109	US 2001-880505	20010613
PRIORITY APPLN. INFO.:			US 1997-997080 A2	19971223
			IN 1998-CA242 A	19980216
			US 1999-324542 A2	19990602

ED Entered STN: 12 Dec 2001
AB Methods for the treatment of skin disorders, including psoriasis, atopic dermatitis, allergic contact dermatitis, alopecia areata and skin cancers are provided, such methods comprising administering a composition having antigenic and/or adjuvant properties. Compns. which may be usefully employed in the inventive methods include inactivated M. vaccae cells, delipidated and deglycolipidated M. vaccae cells, M. vaccae culture filtrate and compds. present in or derived therefrom, together with combinations of such compns.
IC ICM A61K045-00
ICS A61K039-04; A61K039-02; A61K039-38; A61K038-00
INCL 424282100
CC 15-2 (Immunochemistry)
Section cross-reference(s): 3, 63
IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(inactivated or delipidated and deglycolipidated Mycobacterium vaccae or antigens for treatment of immunol.-mediated skin disorders)
IT 380691-02-1 380691-03-2 380691-04-3 380691-06-5 380691-10-1
380691-11-2 380691-12-3 380691-15-6 380691-17-8 380691-19-0
380691-21-4 380691-23-6 380691-24-7 380691-25-8 380691-28-1
380691-29-2 **380691-31-6 380691-32-7**
380691-36-1 380691-37-2 380691-39-4 380691-41-8
380691-45-2 380691-46-3 380691-47-4 380691-48-5 380691-49-6
380691-50-9 380691-56-5 380691-57-6 380691-60-1 380691-61-2
380691-66-7 380691-67-8 380691-71-4 380691-72-5 380691-73-6
380691-76-9 380691-77-0 380691-85-0 380691-86-1 380691-89-4
380691-90-7
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; inactivated or delipidated and deglycolipidated Mycobacterium vaccae or antigens for treatment of immunol.-mediated skin disorders)
IT 380693-94-7 380693-95-8 380693-96-9 380693-97-0 380694-01-9
380694-02-0 380694-03-1 380694-04-2 380694-05-3 380694-17-7
380694-19-9 380694-26-8 380694-44-0 380694-45-1
380694-48-4 380694-49-5 380694-52-0
RL: PRP (Properties)
(unclaimed protein sequence; methods for the treatment of immunol.-mediated skin disorders)
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS

L16 ANSWER 28 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:771048 CAPLUS
DOCUMENT NUMBER: 135:328149
TITLE: Protein and cDNA sequences of human, mouse, and Danio rerio retinoic acid-metabolizing protein, and uses thereof
INVENTOR(S): Petkovich, P. Martin; White, Jay A.; Beckett, Barbara R.; Jones, Glenville
PATENT ASSIGNEE(S): Queen's University at Kingston, Can.
SOURCE: U.S., 75 pp., Cont.-in-part of Appl. No. PCT/CA97/00440.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6306624	B1	20011023	US 1997-882164	19970625
US 6063606	A	20000516	US 1996-724466	19961001 <--
WO 9749815	A1	19971231	WO 1997-CA440	19970623 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6861238	B1	20050301	US 2000-668482	20000925
US 2004235057	A1	20041125	US 2004-855595	20040528
US 2004259074	A1	20041223	US 2004-855532	20040528

PRIORITY APPLN. INFO.:

US 1996-667546	B2 19960621
US 1996-724466	A2 19961001
WO 1997-CA440	A2 19970623
US 1997-882164	A3 19970625
US 2000-668482	A3 20000925

ED Entered STN: 24 Oct 2001
AB This invention provides protein and cDNA sequences of human, mouse, and zebrafish (Danio rerio) retinoic acid-metabolizing protein. The protein is shown to have the ability to hydroxylate retinoic acid (RA) at the 4 position of the β-ionone ring. The protein of the invention belongs to the family of cytochrome P450s, and its production in epithelial cells is induced by treatment with RA. The invention also relates to the use of the provided proteins and cDNAs, particularly in drug screening assays. The examples disclose studies of the effects of 4-Hydroxyphenylretinamide, RA, ketoconazole, and Am580 upon the expression of the protein.
IC ICM C12P021-04
ICS C12N009-02; C12N005-00; C07H021-04
INCL 435069700
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63
IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(comprising retinoic acid-metabolizing proteins; protein and cDNA sequences of human, mouse, and Danio rerio retinoic acid-metabolizing

protein, and uses thereof)
IT 184722-39-2P 346004-25-9P **368955-04-8P**
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; protein and cDNA sequences of human, mouse, and Danio rerio retinoic acid-metabolizing protein, and uses thereof)
REFERENCE COUNT: 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 29 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:693506 CAPLUS
DOCUMENT NUMBER: 135:268240
TITLE: Secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues
INVENTOR(S): Baker, Kevin P.; Chen, Jian; Desnoyers, Luc; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Pan, James; Smith, Victoria; Watanabe, Colin K.; Wood, William I.; Zhang, Zemin
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 774 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001068848	A2	20010920	WO 2001-US6520	20010228
WO 2001068848	A3	20020829		
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EP 1466977	A1	20041013	EP 2004-7618	19991202
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NZ 523206	A	20041224	NZ 2000-523206	20000211
NZ 523207	A	20041224	NZ 2000-523207	20000211
WO 2000056889	A2	20000928	WO 2000-US5601	20000301 <--
WO 2000056889	A3	20010426		
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WO 2000053758	A2	20000914	WO 2000-US5841	20000302 <--

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NZ 517395            A     20040130    NZ 2000-517395          20000309
WO 2001005972        A1    20010125    WO 2000-US6884          20000315
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WO 2000073454        A1    20001207    WO 2000-US8439          20000330 <--
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CA 2380355           AA    20010308    CA 2000-2380355         20000824
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CA 2481756           AA    20010308    CA 2000-2481756         20000824
CA 2481788           AA    20010308    CA 2000-2481788         20000824
EP 1259614           A2    20021127    EP 2001-945919          20010228
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US 2002058309        A1    20020516    US 2001-866028          20010525
US 6642360           B2    20031104
US 2003199034        A1    20031023    US 2001-156846          20010528
CA 2419541           AA    20020228    CA 2001-2419541         20010530
JP 2004520811        T2    20040715    JP 2002-522282          20010530
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WO 2002016429        A2    20020228    WO 2001-US20118         20010622
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AU 2001070118        A5    20020304    AU 2001-70118           20010622
AU 2001073150        A5    20020130    AU 2001-73150           20010702
AU 2001071973        A5    20020205    AU 2001-71973           20010709
AU 758921            B2    20030403    AU 2001-57764           20010801
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AU 759004 B2 20030403 AU 2001-57765 20010801
WO 2002016581 A2 20020228 WO 2001-US25464 20010814
WO 2002016581 A3 20030116
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AU 2001084906 A5 20020304 AU 2001-84906 20010814
CA 2420193 AA 20020228 CA 2001-2420193 20010823
WO 2002016602 A2 20020228 WO 2001-US26626 20010823
WO 2002016602 A3 20030206
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AU 2001086785 A5 20020304 AU 2001-86785 20010823
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US 6734288 B2 20040511
US 2002132981 A1 20020919 US 2001-944396 20010830
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US 2002142419 A1 20021003 US 2001-944432 20010830
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US 2002132768 A1 20020919 US 2001-945015 20010831
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US 6740520 B2 20040525
US 2003207803 A1 20031106 US 2001-143026 20011019
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AU	772759	B2	20040506	AU 2002-14767	20020201
AU	772723	B2	20040506	AU 2002-14769	20020201
AU	772734	B2	20040506	AU 2002-14771	20020201
AU	778585	B2	20041209	AU 2002-14753	20020201
CA	2449602	AA	20021219	CA 2002-2449602	20020403
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WO	2002101069	A3	20030904		

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US	2003138889	A1	20030724	US 2002-140922	20020507
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US	1999-160408P	P	19991019
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US	1999-164495P	P	19991109
US	1999-164499P	P	19991109
US	1999-164500P	P	19991109
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US	1999-166363P	P	19991116
US	1999-166364P	P	19991116
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WO	1999-US28409	W	19991130
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EP	1999-960644	A3	19991202
WO	1999-US28551	W	19991202
WO	1999-US28565	A1	19991202
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WO 2000-US4342	A1	20000218
US 2000-441400	A	20000222
WO 2000-US4414	W	20000222
WO 2000-US5004	A	20000224
WO 2000-US6471	W	20000309
US 2000-191015P	P	20000321
WO 2000-US7532	W	20000321
US 2000-198121P	P	20000418
US 2000-198585P	P	20000418
US 2000-199397P	P	20000425
US 2000-199550P	P	20000425
US 2000-199654P	P	20000425
US 2000-201516P	P	20000503
US 2000-204675P	P	20000517
WO 2000-US13705	A2	20000517
WO 2000-US14042	A1	20000522
WO 2000-US15264	W	20000602
US 2000-209832P	P	20000605
US 2000-212901P	P	20000620
US 2000-213807P	P	20000622
US 2000-219556P	P	20000720
US 2000-220585P	P	20000725
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US 2000-220893P	P	20000726
WO 2000-US20710	W	20000728
US 2000-222425P	P	20000801
US 2000-227133P	P	20000822
US 2000-644848	A1	20000822
WO 2000-US23522	W	20000823
CA 2000-2380355	A3	20000824
JP 2001-520864	A3	20000824
US 2000-644610	A1	20000824
WO 2000-US23328	W	20000824
US 2000-229896P	P	20000901
US 2000-230621P	P	20000905
US 2000-232887P	P	20000915
US 2000-664610	A	20000918
US 2000-665350	A	20000918
US 2000-235147P	P	20000922
US 2000-235451P	P	20000926
US 2000-690189	A3	20001016
US 2000-242922P	P	20001024
US 2000-709238	A	20001108
WO 2000-US30952	W	20001108
WO 2000-US30873	W	20001110
US 2000-253646P	P	20001128
WO 2000-US32678	W	20001201
US 2000-747259	A	20001220
US 2001-747259	A1	20001220
WO 2000-US34956	W	20001220

US 2001-261878P	P	20010112
US 2001-261910P	P	20010116
US 2001-261939P	P	20010116
US 2001-262150P	P	20010116
US 2001-767609	A	20010122
US 2001-267623P	P	20010209
US 2001-796498	A	20010228
WO 2001-US6520	W	20010228
WO 2001-US6666	W	20010301
US 2001-274399P	P	20010309
US 2001-802706	A	20010309

ED Entered STN: 21 Sep 2001

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Thus, 305 cDNAs encoding human secreted or transmembrane proteins were identified by extracellular domain homol. screening, amylase screening, and signal algorithm anal. These transcripts for these proteins are overexpressed in various cancerous tissues, including adrenal, lung, colon, breast, prostate, rectal, cervical, and liver tumors. Certain of the proteins stimulate release of tumor necrosis factor-α from human blood, and also stimulate proliferation or differentiation of chondrocytes. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IC ICM C12N015-12
ICS C12N015-62; C07K014-47; C07K014-705; C07K016-18; G01N033-53; C12Q001-68

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 14

IT Antibodies
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**chimeric**; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

IT 151185-21-6 160575-51-9 185229-04-3 200145-68-2 202669-30-5
203876-08-8 204868-81-5 205704-98-9, Protein (human Th1 cell-specific)
208065-42-3, Protein (human gene LU103) 208472-38-2 208668-52-4
208668-58-0 209209-94-9, Protein (human gene ASP1) 209334-83-8
209859-57-4 210044-19-2 211749-90-5 212704-82-0 213464-65-4
213471-70-6, Protein zsig32 (human) 213474-05-6 214684-34-1
217795-43-2, Protein (human clone HP10230) 217795-45-4, Protein (human clone HP10408) 217795-48-7, Protein (human clone HP10419) 218438-77-8, Protein LS170 (human clone 1355520IH) 218948-50-6 219709-98-5
220104-93-8, Protein DC3 (human dendritic cells) 220483-73-8
220710-70-3 220793-26-0, Protein PIGR-1 (human) 221079-13-6
221216-74-6 221266-03-1 221369-75-1 221369-76-2 221369-81-9
221455-95-4 221877-69-6 221877-79-8 221877-95-8 221878-41-7
221879-04-5 221879-28-3 221879-33-0 221890-47-7 221896-58-8
223415-76-7, Protein PRO358 (human clone DNA47361) 224301-63-7
224302-02-7 225373-34-2 226934-74-3 226934-79-8 226934-81-2
227792-85-0 230288-46-7 233272-65-6, Glypican 6 (human) 235087-98-6
235088-04-7 235787-35-6 242794-87-2 242794-89-4 242795-08-0

242795-28-4 242795-30-8 242795-45-5 242795-93-3 242796-09-4
242796-11-8 242796-13-0 243122-08-9 243122-10-3 243122-49-8
243122-52-3 243122-70-5 243122-74-9 243123-25-3 243123-45-7
243646-92-6, Protein (human prostate 371-amino acid) 244004-81-7
244028-85-1 249610-95-5 249619-76-9, Peflin (human fetus)
251100-02-4, Interleukin 21 (human) 251926-73-5 251929-75-6
252049-74-4 252049-82-4 252049-85-7 252049-94-8 252050-03-6
252050-18-3 252050-28-5 252050-31-0 252050-35-4 252050-53-6
252050-55-8 252050-58-1 252050-63-8 252050-78-5 252050-81-0
252050-83-2 252050-85-4 252051-00-6 252051-07-3 252051-27-7
252051-38-0 252051-43-7 252051-45-9 252051-59-5 252051-66-4
252052-09-8 252193-66-1 252196-58-0 252196-69-3 252196-74-0
252196-77-3 252196-79-5 252196-81-9 252196-83-1 252196-85-3
252196-88-6 252196-92-2 252196-96-6 252196-98-8 252197-10-7
252197-14-1 252197-23-2 252197-34-5 252197-41-4 252197-45-8
252197-48-1 252197-51-6 252197-53-8 252197-91-4 252198-28-0
252198-32-6 252726-25-3, Carbonic anhydrase 14 (human) 252727-87-0,
Protein (human gene DKK-2 precursor) 252727-88-1, Protein (human gene
SGY-1 precursor) 253418-65-4 253418-75-6 253418-76-7 253419-00-0
253419-11-3 253419-20-4 253419-24-8 253419-42-0 253579-88-3
255888-96-1 259519-97-6 260237-14-7 260342-54-9 260342-55-0
260342-56-1 260342-58-3 260342-59-4 260342-60-7 260382-23-8
260382-24-9 260382-30-7 260382-31-8 260534-87-0 260534-88-1
260534-90-5 260534-93-8 260534-95-0 260534-98-3 260534-99-4
260535-00-0 260535-03-3 260535-06-6 260535-07-7 260535-09-9
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260535-39-5 260535-44-2 260535-45-3 260535-46-4 260535-47-5
260535-48-6 260535-50-0 260535-54-4 260535-55-5 260535-57-7
260774-48-9 277336-68-2 294899-53-9 297277-25-9 297774-88-0
297774-92-6 297774-95-9 297774-96-0 299466-36-7, Protein CGI-31
(human) 300425-62-1 301252-54-0 303809-45-2 304029-43-4
312333-93-0 312334-32-0, Protein PRO3301 (human clone DNA88002)
312334-52-4, Cytokine zsig81 (human) 313408-13-8 314326-52-8
314326-55-1 317394-09-5 **321202-67-9** 326833-73-2
326936-34-9, Protein (human clone THYRO1000570) 326944-83-6
329286-29-5 329286-30-8
RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

IT 329799-91-9 329799-99-7 329800-00-2 329800-07-9 329800-10-4
329800-21-7 329800-25-1 339216-30-7 339596-83-7 343902-10-3,
Protein PRO4978 (human clone DNA95930) 344007-43-8 346013-08-9
350264-81-2 350856-64-3 354592-21-5 362539-87-5 362539-96-6
362539-97-7 362540-02-1 362540-13-4 362540-23-6 362540-27-0
362641-73-4 362641-86-9 362641-97-2 362642-14-6 362642-18-0
362642-22-6 362642-23-7 362642-26-0 362642-28-2 362642-29-3
362642-31-7 362642-35-1 362642-39-5 362642-42-0 362642-44-2
362642-46-4 362642-48-6 362642-51-1 362642-55-5 362642-57-7
362642-59-9 362642-61-3 362642-63-5 362642-65-7 **362642-67-9**
362642-69-1 362642-71-5 362642-73-7 362642-75-9 362642-78-2
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362642-93-1 362642-95-3 362642-97-5 362642-99-7 362643-01-4
362643-04-7 362643-06-9 362643-08-1 362643-10-5 362643-12-7
362643-14-9 362643-18-3 362643-21-8 362643-23-0 362643-27-4

362643-29-6 362643-31-0
RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; secreted and transmembrane polypeptides and human nucleic acids encoding them that are overexpressed in cancerous tissues)

L16 ANSWER 30 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:611697 CAPLUS
DOCUMENT NUMBER: 135:192174
TITLE: Sequence, structure and interaction with TRF1 of human tankyrase and potential use of tankyrase in drug screening
INVENTOR(S): De Lange, Titia; Smith, Susan
PATENT ASSIGNEE(S): Rockefeller University, USA
SOURCE: U.S., 65 pp., Cont.-in-part of U.S. Ser. No. 135,223.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6277613	B1	20010821	US 1998-196387	19981119
CA 2331372	AA	19991216	CA 1999-2331372	19990609 <--
WO 9964606	A1	19991216	WO 1999-US12968	19990609 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9944301	A1	19991230	AU 1999-44301	19990609 <--
EP 1084255	A1	20010321	EP 1999-927384	19990609
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002517251	T2	20020618	JP 2000-553596	19990609
US 2002076795	A1	20020620	US 2001-841835	20010425
US 6506587	B2	20030114		

PRIORITY APPLN. INFO.:		
US 1998-95225	B2	19980610
US 1998-135233	B2	19980817
US 1998-196387	A	19981119
WO 1999-US12968	W	19990609

ED Entered STN: 23 Aug 2001
AB The present invention discloses cDNA and amino acid sequences of human tankyrase that binds to the N-terminal acidic domain of telomeric repeat binding factor 1 (TRF1). A full-length human tankyrase is 142-kDa protein and contains an ankyrin-specific repeat consensus domain, a sterile alpha motif (SAM), and a poly (ADP-ribose) polymerase-related domain. Amino acid and encoding cDNA sequence of two truncated forms of human tankyrase are also disclosed. Methods of screening drugs using tankyrase are included.
IC ICM C12N009-10
INCL 435193000
CC 7-5 (Enzymes)

Section cross-reference(s): 1, 3, 13

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tankyrase contg; sequence, structure and interaction with TRF1 of human tankyrase and potential use of tankyrase in drug screening)

IT 252647-70-4P 252647-87-3P 355174-12-8DP, substitution mutants are claimed 355174-13-9DP, substitution mutants are claimed **355174-14-0DP**, substitution mutants are claimed 355174-15-1DP, substitution mutants are claimed 355174-16-2DP, substitution mutants are claimed 355174-17-3DP, substitution mutants are claimed 355174-18-4DP, substitution mutants are claimed 355387-93-8DP, substitution mutants are claimed
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; sequence, structure and interaction with TRF1 of human tankyrase and potential use of tankyrase in drug screening)

IT 9055-67-8P, Tankyrase **219943-19-8DP**, subfragments are claimed
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BPN (Biosynthetic preparation); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); USES (Uses)
(sequence, structure and interaction with TRF1 of human tankyrase and potential use of tankyrase in drug screening)

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 31 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:482174 CAPLUS
DOCUMENT NUMBER: 135:88006
TITLE: DNA encoding glycogenin involved in starch biosynthesis
INVENTOR(S): Lightner, Jonathan Edward; Everard, John D.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Company, USA
SOURCE: U.S., 33 pp., Cont.-in-part of U.S. Ser. No. 852,615, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6255114	B1	20010703	US 1998-73297	19980506
ZA 9803846	A	19991108	ZA 1998-3846	19980507 <--
US 2002001843	A1	20020103	US 2001-829482	20010410
US 2003145353	A1	20030731	US 2003-336587	20030102
PRIORITY APPLN. INFO.:			US 1997-852615	B2 19970507
			US 1998-73297	A3 19980506
			US 2001-829482	A2 20010410

ED Entered STN: 05 Jul 2001
AB This invention relates to isolated nucleic acid fragments encoding all or a substantial portion of a plant glycogenin or water stress protein from corn, rice and wheat. The invention also relates to the construction of chimeric genes encoding all or a portion of a plant glycogenin or water stress protein, in sense or antisense orientation. Expression of the chimeric gene results in production of altered levels of a plant glycogenin or

water stress protein in a transformed host cell.
IC ICM C12N015-29
ICS C12N005-04; C12N015-74; C12N015-82; C12P019-04
INCL 435468000
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 7, 11
IT **Chimeric** gene
EST (expressed sequence tag)
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(DNA encoding glycogenin involved in starch biosynthesis)
IT 216008-82-1 216008-84-3 216008-87-6 **216008-89-8**
216008-91-2 216008-99-0 216009-06-2 216009-14-2 216009-16-4
216101-28-9
RL: AGR (Agricultural use); ANT (Analyte); PRP (Properties); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(amino acid sequence; DNA encoding glycogenin involved in starch biosynthesis)
IT **160026-48-2** 175389-66-9, Glycogenin (human clone GLYC3 reduced)
348174-63-0 348174-64-1
RL: PRP (Properties)
(unclaimed protein sequence; dNA encoding glycogenin involved in starch biosynthesis)
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 32 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:472927 CAPLUS
DOCUMENT NUMBER: 135:75755
TITLE: Homologs of interleukin 17 identified by sequence similarity and their use in treatment of immune dysfunction
INVENTOR(S): Chen, Jian; Filvaroff, Ellen; Fong, Sherman; Goddard, Audrey; Godowski, Paul J.; Grimaldi, Christopher J.; Gurney, Austin L.; Li, Hanzhong; Hillan, Kenneth J.; Tumas, Daniel; Van, Lookeren Menno; Vandlen, Richard L.; Watanabe, Colin K.; Williams, P. Mickey; Wood, William I.; Yansura, Daniel G.
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 198 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001046420	A2	20010628	WO 2000-US34956	20001220
WO 2001046420	A3	20020510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NZ 528704	A	20050225	NZ 1999-528704	19990308
CA 2450824	AA	20000420	CA 1999-2450824	19991005 <--

EP 1466977 A1 20041013 EP 2004-7618 19991202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY
WO 2000053752 A2 20000914 WO 1999-US31274 19991230 <--
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US 2003068775	A1	20030410	US 2002-208029		20020729
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PRIORITY APPLN. INFO.:			US 1999-172096P	P	19991223
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US	2000-441400	A	20000222
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ED Entered STN: 29 Jun 2001

AB Proteins that are sequence homologs of interleukin 17 and that therefore may be of use in the treatment of diseases associated with immune dysfunction are described. Cloning and expression vectors and host cells, fusion

proteins, antibodies to the proteins, and methods of manufacturing them are described. The genes for these proteins are expressed in a wide array of tissues. The proteins do not bind known interleukin 17 receptors but one of the proteins was identified as a receptor for two of the others. The proteins show interleukin 17-like activities, such as activation of NF-κB.

IC ICM C12N015-12
ICS C07K014-715; C07K014-54; C12N015-62; C07K016-24; C07K016-28; A61K031-70; A61K038-17; A61K038-20; A61K039-395; G01N033-566; G01N033-53

CC 15-5 (Immunochemistry)
Section cross-reference(s): 1, 3

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(homologs of interleukin 17 identified by sequence similarity and their use in treatment of immune dysfunction)

IT 187759-17-7 215663-51-7 251100-02-4, Interleukin 21 (human)
321202-67-9 329335-25-3 329800-21-7 347432-44-4
347432-47-7 347432-49-9
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(amino acid sequence; homologs of interleukin 17 identified by sequence similarity and their use in treatment of immune dysfunction)

L16 ANSWER 33 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:449905 CAPLUS
DOCUMENT NUMBER: 135:60160
TITLE: Immunogenic compositions against Helicobacter infection, polypeptides for use in the compositions and nucleic acid sequences encoding said polypeptides
INVENTOR(S): Labigne, Agnes; Suerbaum, Sebastien; Ferrero, Richard L.; Thiberge, Jean Michel
PATENT ASSIGNEE(S): Institut Pasteur, Fr.
SOURCE: U.S., 93 pp., Cont.-in-part of WO9426901.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6248330	B1	20010619	US 1995-432697	19950502
WO 9514093	A1	19950526	WO 1993-EP3259	19931119 <--
W: JP				
WO 9426901	A1	19941124	WO 1994-EP1625	19940519 <--
W: AU, CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5843460	A	19981201	US 1995-467822	19950606 <--
US 6258359	B1	20010710	US 1995-466248	19950606
WO 9634624	A1	19961107	WO 1996-EP1834	19960502 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
AU 9656934	A1	19961121	AU 1996-56934	19960502 <--

PRIORITY APPLN. INFO.:

EP 1993-401309	A	19930519
WO 1993-EP3259	W	19931119
WO 1994-EP1625	A2	19940519
US 1995-432697	A2	19950502
US 1995-447177	A1	19950519
WO 1996-EP1834	W	19960502

ED Entered STN: 21 Jun 2001

AB There is provided an immunogenic composition capable of inducing protective antibodies against Helicobacter infection characterized in that it comprises: i) at least one sub-unit of a urease structural polypeptide from Helicobacter pylori, or a fragment thereof, said fragment being recognized by antibodies reacting with Helicobacter felis urease, and/or at least one sub-unit of a urease structural polypeptide from Helicobacter felis, or a fragment thereof, said fragment being recognized by antibodies reacting with Helicobacter pylori urease; ii) and/or, a heat shock protein (Hsp), or chaperonin, from Helicobacter, or a fragment of said protein. The preparation, by recombinant means, of such immunogenic compns. is also provided.

IC A61K039-00

INCL 424192100

CC 15-2 (Immunochemistry)
Section cross-reference(s): 3, 9, 10

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MBP (maltose-binding protein), **chimeric**; immunogenic compns. comprising Helicobacter heat shock protein or chaperonin for vaccine against Helicobacter infection)

IT Antigens
Fusion proteins (**chimeric** proteins)
Heat-shock proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(immunogenic compns. comprising Helicobacter heat shock protein or chaperonin for vaccine against Helicobacter infection)

IT 151187-40-5, Urease (Helicobacter felis strain ATCC 49179 gene ureB β-6 subunit reduced) **162243-37-0** 162243-38-1
162243-40-5, Urease (Helicobacter felis gene ureA) 345920-03-8
345920-06-1
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(amino acid sequence; immunogenic compns. comprising Helicobacter heat shock protein or chaperonin for vaccine against Helicobacter infection)

IT 115681-99-7, Protein (Escherichia coli gene groES) **117537-95-8**
127314-53-8, Urease (Proteus mirabilis clone pMID1003 γ-subunit protein moiety reduced) 142193-37-1, Protein (Helicobacter pylori clone pILL753 gene ureI reduced) 146635-40-7, Chaperonin 10 (Clostridium perfringens clone pCPH-2 gene groES) 162243-42-7, Urease (Helicobacter felis gene ureI) **244773-35-1** 345920-26-5 345920-27-6
345920-28-7 **345920-29-8 345920-30-1**
345920-31-2 345920-32-3 345920-33-4 345920-34-5
345920-35-6
RL: PRP (Properties)
(unclaimed protein sequence; immunogenic compns. against Helicobacter infection, polypeptides for use in the compns. and nucleic acid sequences encoding said polypeptides)

REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 34 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:417147 CAPLUS
DOCUMENT NUMBER: 135:29838
TITLE: Secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses
INVENTOR(S): Baker, Kevin; Beresini, Maureen; Deforge, Laura; Desnoyers, Luc; Filvaroff, Ellen; Gao, Wei Qiang; Gerritsen, Amry E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Gherwood, Steven; Smith, Victoria; Stewart, Timothy A.; Tumas, Daniel; Watanabe, Colin K.; Wood, William I.; Zhang, Zemin
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 813 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001040466	A2	20010607	WO 2000-US32678	20001201
WO 2001040466	A3	20020510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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NZ 528704	A	20050225	NZ 1999-528704	19990308
CA 2450824	AA	20000420	CA 1999-2450824	19991005 <--
WO 2000032776	A2	20000608	WO 1999-US28301	19991201 <--
WO 2000032776	A3	20001228		
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WO 2000053750	A1	20000914	WO 1999-US28551	19991202 <--
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US 2001-747259	A1	20001220

ED Entered STN: 08 Jun 2001

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. The proteins show overexpression in cancer and may of diagnostic use. Certain of the proteins were found to form complexes with one another.

IC C12N015-12; C07K014-47

CC 3-2 (Biochemical Genetics)
Section cross-reference(s): 6

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(**fusion** products, with secreted and transmembrane proteins of human; secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses)

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(heavy chains, constant region C-terminal fragment, **fusion** products with secreted and transmembrane proteins of human; secreted

and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(of secreted and transmembrane proteins of human; secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses)

IT 185260-79-1, Protein PRO183 (human clone DNA28498) 185915-99-5, Protein PRO184 (human clone DNA28500) 191745-53-6 195460-88-9 197982-35-7, Protein PRO215 (human clone DNA32288-1132) 198362-33-3 200515-38-4, Protein PRO265 (human clone DNA36350-1158) 202220-47-1, Protein PRO288 (human clone DNA35663-1129) 205599-84-4, Interleukin XX (human precursor) 206455-34-7, Protein (human gene zins3 precursor) 207353-75-1 208473-02-3 208668-47-7 208947-13-1, Protein PRO242 (human clone DNA33785-1143) 209057-22-7, Protein PRO719 (human clone DNA49646-1327) 209859-03-0, Protein PRO1192 (human clone DNA62814-1521) 210479-05-3, Protein PRO1308 (human clone DNA62306-1570) 211182-16-0, Neuropsin (human hippocampus) 211926-26-0 212705-30-1, Protein PRO619 (human clone DNA49821-1562) 212841-11-7 213470-84-9 **214069-96-2** 214137-51-6 214473-24-2, Proteinase, serine (human gene TLSP) 214684-10-3 214968-93-1, Protein CRSP-3 (human cysteine-rich) 215663-51-7, Protein PRO1031 (human clone DNA59294-1381) 216373-38-5, Protein (human gene δ2 precursor) 218610-75-4 218947-99-0 219680-09-8 219709-17-8 220198-27-6 220974-18-5 221183-41-1, Protein PRO1917 (human clone DNA76400-2528) 221216-74-6 221337-66-2 221337-72-0, Protein PRO217 (human clone DNA33094-1131) 221337-87-7, Protein PRO187 (human clone DNA27864-1155) 221337-90-2 221337-92-4, Protein PRO246 (human clone DNA35639-1172) 221337-94-6 221338-03-0 221369-70-6 221369-71-7 221369-73-9 221369-74-0, Protein PRO301 (human clone DNA40628-1216) 221369-79-5 221369-80-8 221626-43-3, Protein PRO216 (human clone UNQ190) 221649-74-7, Protein PRO196 (human clone DNA22779-1130) 221649-76-9 221877-29-8 221877-35-6, Protein PRO266 (human clone DNA37150-1178) 221877-41-4 221877-49-2 221877-53-8 221877-60-7 221877-67-4 221877-77-6 221878-56-4 221878-72-4, Protein PRO331 (human clone DNA40981-1234) 221878-88-2 221879-48-7 222190-03-6, Protein PRO536 (human clone DNA49142-1430) 222538-58-1, Protein PRO365 (human clone DNA46777-1253) 222614-92-8, Protein PRO1007 (human clone DNA57690-1374) 222618-83-9, Protein PRO1132 (human clone DNA59767-1489) 223115-67-1, Protein (human fetus clone ON056) 223415-68-7, Protein PRO285 (human clone DNA40021) 223695-92-9 225371-37-9 226934-63-0 226934-69-6, Protein PRO323 (human clone UNQ284) 227792-85-0, Protein PRO791 (human clone DNA57838-1337) 229477-05-8 233751-29-6 237746-51-9, Cerebellin-2 (human precursor) 242795-00-2, Protein PRO363 (human clone DNA45419-1252) 242796-00-5, Protein PRO846 (human clone DNA44196-1353) 242796-02-7 242796-06-1 243122-13-6 243122-19-2 243122-35-2, Protein PRO1114 (human clone DNA57033-1403) 243123-30-0 243123-32-2 243123-56-0, Protein PRO337 (human clone DNA43316-1237) 243976-42-3, Protein PRO1195 (human clone DNA65412-1523) 244014-65-1, Cytokine EF-7 (human) 244141-38-6 248910-31-8 249906-49-8 249906-52-3 249910-22-3 249910-52-9 250246-70-9, Receptor (human Incyte clone 2057886) 250282-83-8 251929-74-5, Protein PRO836 (human clone DNA59620-1463) 251929-78-9 252050-43-4, Protein PRO1080 (human clone DNA56047-1456) 252050-49-0, Protein PRO1016 (human clone DNA56113-1378) 252050-92-3, Protein PRO1056 (human clone DNA57693-1424) 252051-35-7, Protein PRO1198 (human clone DNA60622-1525) 252051-40-4, Protein PRO1159 (human clone DNA60627-1508) 252051-48-2, Protein PRO1312 (human clone DNA61873-1574) 252051-62-0, Protein PRO1358 (human clone DNA64890-1612) 252051-68-6, Protein PRO1271 (human clone DNA66309-1538) 252196-94-4,

Protein PRO812 (human clone DNA59205-1421) 252197-03-8, Protein PRO1066 (human clone DNA59215-1425) 252197-05-0 252197-08-3, Protein PRO1360 (human clone DNA59488-1603) 252197-98-1 252198-22-4, Protein PRO1181 (human clone DNA59847-1511) 252198-43-9, Protein PRO1126 (human clone DNA60615-1483) 252198-51-9, Protein PRO1186 (human clone DNA60621-1516) 252199-51-2, Protein PRO1387 (human clone DNA68872-1620) 252199-54-5, Protein PRO1384 (human clone DNA71159-1617) 252868-76-1 253418-95-0 253419-03-3 253419-11-3, Protein PRO1343 (human clone DNA66675-1587) 253419-33-9 255889-03-3 257259-06-6, Protein PRO4357 (human clone DNA84917-2597) 259129-20-9 259161-51-8 259161-77-8, Protein PRO381 (human clone DNA44194-1317) 259520-05-3 260382-25-0 260382-26-1 260382-27-2 260534-91-6 260534-92-7, Protein PRO1475 (human clone DNA61185-1646) 260534-94-9 260535-01-1 260535-04-4 260535-20-4, Protein PRO1418 (human clone DNA68864-1629) 260535-36-2 260535-42-0, Protein PRO1474 (human clone DNA73739-1645) 260535-51-1 260535-52-2 260535-53-3 260535-57-7 261755-05-9 271236-76-1 **271562-83-5** 277762-02-4 277762-05-7 292889-88-4, Protein (human gene YME1L) 294903-67-6 297774-89-1, Protein PRO1887 (human clone DNA79862-2522) 297774-90-4, Protein PRO4353 (human clone DNA80145-2594) 297774-94-8, Protein PRO5990 (human clone DNA96042-2682) 299467-18-8, Protein CGI-124 (human) 300432-82-0 307356-24-7 308308-75-0 308853-05-6, Protein PRO526 (human clone DNA44184-1319) 309305-99-5 310909-22-9, Protein PRO9828 (human clone DNA142238-2768) 311820-96-9, Protein PRO1310 (human clone DNA47394-1572) 311821-00-8, Protein PRO1120 (human clone DNA48606-1479) 312333-86-1, Protein PRO1188 (human clone DNA52598-1518) 312334-01-3, Protein PRO1111 (human clone DNA58721-1475) 312334-09-1, Protein PRO1309 (human clone DNA59588-1571) 312334-11-5, Protein PRO1107 (human clone DNA59606-1471) 312334-18-2, Protein PRO1154 (human clone DNA59846-1503) 312334-27-3, Protein PRO185 (human clone DNA28503) 312642-35-6, Protein PRO4302 (human clone DNA92218-2554) 312642-37-8 312776-68-4 314326-45-9 314326-59-5, Protein PRO350 (human clone DNA44175-1314) 321924-91-8 326042-26-6 327631-84-5 328316-90-1, Protein (human clone DKFZphtes3_7p9) 329387-40-8 330226-54-5 331481-03-9, Protein ALEX3 (human testis gene alex3) 337536-56-8, Protein NOV3 (human clone AP000597_A) 337545-34-3 343664-46-0 343900-68-5 343900-72-1 343900-75-4 343900-78-7 343900-80-1 343900-83-4 343900-85-6 343900-90-3 343900-92-5 343900-96-9 343900-98-1 343901-00-8 343901-02-0 343901-04-2 343901-06-4 343901-08-6 343901-12-2 343901-14-4 343901-16-6 343901-18-8 343901-20-2 343901-22-4 343901-24-6 343901-26-8 343901-28-0 343901-30-4 343901-35-9 343901-37-1 343901-39-3 343901-41-7 343901-43-9 343901-45-1 343901-47-3 343901-50-8 343901-52-0 343901-54-2 343901-56-4 343901-58-6 343901-60-0 343901-62-2 343901-64-4 343901-66-6 343901-68-8 343901-71-3 343901-76-8 343901-78-0 343901-81-5 343901-83-7 343901-86-0 343901-88-2
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses)

L16 ANSWER 35 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:380648 CAPLUS
DOCUMENT NUMBER: 135:4471
TITLE: Antibodies
INVENTOR(S): Kingsman, Alan; Kingsman, Susan Mary; Bebbington, Christopher Robert; Carroll, Miles William; Ellard, Fiona Margaret; Myers, Kevin Alan
PATENT ASSIGNEE(S): Oxford Biomedica (UK) Limited, UK
SOURCE: PCT Int. Appl., 117 pp.
CODEN: PIXXD2

DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036486	A2	20010525	WO 2000-GB4317	20001113
WO 2001036486	A3	20020510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2000029428	A2	20000525	WO 1999-GB3859	19991118 <--
WO 2000029428	A3	20001109		
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
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WO 2002038612	A3	20030508		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002014150	A5	20020521	AU 2002-14150	20011113
EP 1347994	A2	20031001	EP 2001-982608	20011113
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
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PRIORITY APPLN. INFO.:			WO 1999-GB3859 W	19991118
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WO 2000-GB4317	W	20001113
WO 2001-GB5004	W	20011113
US 2002-60585	A2	20020129

ED Entered STN: 27 May 2001

AB The use of an ScFv Ab (ScFv Ab) capable of recognizing a disease associated mol. (DAM) in the manufacture of a medicament for the prevention and/or treatment of a disease condition associated with a DAM is described. The ScFv Ab has therapeutic, diagnostic and prognostic applications.

IC ICM C07K016-00

CC 15-3 (Immunochemistry)
Section cross-reference(s): 3, 63

ST **chimeric** antibody tumor assocd antigen antitumor; scFv disease assocd mol diagnosis prognosis

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(E, **chimeric**; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(G1; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(G; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Immunostimulants
(adjuvants; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Diagnosis
(cancer; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Antitumor agents
Bacteriophage
Carcinoma
DNA sequences
Diagnosis
Disease, animal
Drugs
Genetic vectors
Human immunodeficiency virus
Imaging
Molecular cloning
Plasmids
Prognosis
Protein sequences
Protein sequences
(**chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Antibodies
Fusion proteins (**chimeric** proteins)

Proteins, general, biological studies
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Promoter (genetic element)
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT CD28 (antigen)
RL: BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(**chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT CTLA-4 (antigen)
RL: BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(**chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Antigens
Toxins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT CD80 (antigen)
CD86 (antigen)
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**chimeric**; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Neoplasm
(diagnosis; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fragments, scFv; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Interleukin 5
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** protein; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Envelope proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gp120env; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(heavy chains; **chimeric** antibody scFv recognizing

disease-associated mol. for diagnosis and treatment of disease)
IT Enzymes, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pro-drug activating; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)
IT Drug delivery systems
(prodrugs; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)
IT Antigens
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tumor-associated, 5T4; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)
IT Antigens
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tumor-associated; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)
IT 342056-98-8 342056-99-9 342058-02-0 **342058-05-3**, Tumor-associated antigen 5T4 (dog) 342058-06-4
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(amino acid sequence; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)
IT 62229-50-9P, EGF
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**chimeric**; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)
IT 287371-99-7 287372-01-4 287372-02-5 287372-03-6 287372-04-7 287372-05-8 342058-03-1 342058-04-2
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(nucleotide sequence; **chimeric** antibody scFv recognizing disease-associated mol. for diagnosis and treatment of disease)

L16 ANSWER 36 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:168142 CAPLUS
DOCUMENT NUMBER: 134:232695
TITLE: Nucleic acids encoding human secreted and transmembrane polypeptides
INVENTOR(S): Eaton, Dan L.; Filvaroff, Ellen; Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul J.; Grimaldi, Christopher J.; Gurney, Austin L.; Watanabe, Colin K.; Wood, William I.
PATENT ASSIGNEE(S): Genentech, Inc., USA
SOURCE: PCT Int. Appl., 278 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 143
PATENT INFORMATION:

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			US 1997-66364P	P	19971121
			US 1997-66453P	P	19971124
			US 1997-66466P	P	19971124
			US 1997-66511P	P	19971124
			US 1997-66770P	P	19971124
			US 1997-66772P	P	19971124
			US 1997-66840P	P	19971125
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			US 1998-80165P	A1	19980331
			US 1998-80334P	P	19980401
			US 1998-81071P	P	19980408
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			US 1998-83742P	P	19980430
			US 1998-84366P	P	19980505
			US 1998-84627P	P	19980507
			US 1998-85149P	P	19980512
			US 1998-85339P	A1	19980513
			US 1998-85579P	P	19980515
			US 1998-85697P	P	19980515
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US	1998-89947P	P	19980619
US	1998-90355P	P	19980623
US	1998-90676P	P	19980625
US	1998-105413	B1	19980626
US	1998-91010P	P	19980626
US	1998-91359P	A1	19980701
US	1998-91982P	P	19980707
US	1998-94651P	A1	19980730
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US	1998-99598P	P	19980909
US	1998-99601P	P	19980909
US	1998-99792P	P	19980910
US	1998-99803P	P	19980910
WO	1998-US18824	A1	19980910
AU	1998-93881	A3	19980914
US	1998-100262P	P	19980914
US	1998-100263P	P	19980914
WO	1998-US19177	A1	19980914
WO	1998-US19330	W	19980916
US	1998-100858P	P	19980917
WO	1998-US19437	A1	19980917
US	1998-101922P	P	19980924
AU	1998-93178	A3	19981002
US	1998-103315P	P	19981007
WO	1998-US21141	A	19981007
US	1998-103678P	P	19981008
US	1998-104257P	P	19981014
US	1998-105169P	P	19981022
US	1998-63561P	P	19981028
US	1998-106464P	P	19981030
US	1998-107783P	P	19981110
US	1998-108802P	P	19981117
US	1998-109304P	P	19981120
WO	1998-US24855	A	19981120
WO	1998-US25108	A1	19981201
US	1998-202054	A1	19981207
US	1998-112514P	P	19981215
US	1998-216021	B1	19981216
US	1998-113296P	P	19981222
US	1998-113300P	P	19981222
US	1998-218517	B1	19981222
US	1998-113430P	P	19981223
US	1998-113605P	P	19981223
US	1998-113621P	P	19981223
US	1998-114140P	P	19981223
KR	1998-62142	A	19981230
WO	1999-US106	A	19990105
US	1999-115552P	P	19990112
US	1999-116843P	P	19990122
US	1999-119358P	P	19990209
US	1999-119537P	P	19990210
US	1999-254311	A1	19990303

WO	1999-US5028	W	19990308
WO	1999-US5190	A	19990310
US	1999-123957P	P	19990312
US	1999-125774P	P	19990323
US	1999-125778P	P	19990323
US	1999-125826P	P	19990324
US	1999-126773P	P	19990329
US	1999-127035P	P	19990331
US	1999-127706P	P	19990405
US	1999-129122P	P	19990413
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WO	1999-US8615	W	19990420
US	1999-130232P	P	19990421
US	1999-130359P	P	19990421
US	1999-131270P	P	19990427
US	1999-131272P	P	19990427
US	1999-131291P	P	19990427
US	1999-131293P	P	19990427
US	1999-131445P	P	19990428
US	1999-132371P	P	19990504
US	1999-132379P	P	19990504
US	1999-132383P	P	19990504
US	1999-134287P	P	19990514
US	1999-311832	A1	19990514
WO	1999-US10733	A	19990514
US	1999-135750P	P	19990525
WO	1999-US12252	A1	19990602
US	1999-138166P	P	19990608
US	1999-139695P	P	19990615
US	1999-141037P	P	19990623
US	1999-143048P	P	19990707
US	1999-144758P	P	19990720
US	1999-144791P	P	19990720
US	1999-145070P	P	19990720
US	1999-145698P	P	19990726
US	1999-146222P	P	19990728
US	1999-146970P	P	19990803
US	1999-149395P	P	19990817
US	1999-149396P	P	19990817
US	1999-380137	A1	19990825
US	1999-380138	B1	19990825
US	1999-380139	B1	19990825
US	1999-380142	B1	19990825
US	1999-151689P	P	19990831
US	1999-151733P	P	19990831
US	1999-151736P	P	19990831
US	1999-151791P	P	19990831
US	1999-920594	A	19990908
WO	1999-US20594	A	19990908
WO	1999-US20944	A	19990913
US	1999-153805P	P	19990914
US	1999-153806P	P	19990914
US	1999-153856P	P	19990914
US	1999-153857P	P	19990914
US	1999-153904P	P	19990914
US	1999-397342	A1	19990915
US	1999-921090	A	19990915
WO	1999-US21194	W	19990915
WO	1999-US21547	A	19990915
CA	1999-2344465	A3	19991005

WO	1999-US23089	A	19991005
US	1999-403297	B1	19991018
US	1999-160407P	P	19991019
US	1999-160408P	P	19991019
US	1999-403844	A1	19991027
US	1999-162506P	P	19991029
US	1999-164495P	P	19991109
US	1999-164499P	P	19991109
US	1999-164500P	P	19991109
US	1999-423844	B1	19991112
US	1999-166360P	P	19991116
US	1999-166363P	P	19991116
US	1999-166364P	P	19991116
WO	1999-US28214	A	19991129
WO	1999-US28313	W	19991130
WO	1999-US28301	A1	19991201
WO	1999-US28634	W	19991201
EP	1999-960644	A3	19991202
WO	1999-US28551	W	19991202
WO	1999-US28564	A1	19991202
WO	1999-US28565	W	19991202
WO	1999-US30095	W	19991216
US	1999-99309	A	19991220
WO	1999-US30911	A1	19991220
WO	1999-US30999	A1	19991220
US	1999-468978	A1	19991221
WO	1999-US30720	W	19991222
US	1999-172059P	P	19991223
US	1999-172096P	P	19991223
WO	1999-US31243	W	19991230
WO	1999-US31274	W	19991230
WO	2000-US219	W	20000105
WO	2000-US277	W	20000106
WO	2000-US376	W	20000106
US	2000-177118P	P	20000120
WO	2000-US3565	A1	20000211
US	2000-441400	A	20000222
WO	2000-US4914	A	20000224
WO	2000-US5004	A1	20000224
CA	2000-2361221	A3	20000301
EP	2000-917717	A3	20000301
WO	2000-US5746	A	20000302
WO	2000-US5841	W	20000302
US	2000-186968P	P	20000306
WO	2000-US6471	W	20000309
WO	2000-US6319	A	20000310
US	2000-189320P	P	20000314
US	2000-189328P	P	20000314
WO	2000-US6884	A	20000315
WO	2000-US7377	A1	20000320
US	2000-190828P	P	20000321
US	2000-191015P	P	20000321
US	2000-191048P	P	20000321
US	2000-191314P	P	20000321
WO	2000-US7532	W	20000321
US	2000-192655P	P	20000328
US	2000-193032P	P	20000329
US	2000-193053P	P	20000329
WO	2000-US8439	W	20000330
US	2000-194449P	P	20000404

US 2000-194647P	P	20000404
US 2000-195975P	P	20000411
US 2000-196000P	P	20000411
US 2000-196187P	P	20000411
US 2000-196690P	P	20000411
US 2000-196820P	P	20000411
US 2000-198121P	P	20000418
US 2000-198585P	P	20000418
US 2000-199397P	P	20000425
US 2000-199550P	P	20000425
US 2000-199654P	P	20000425
US 2000-201516P	P	20000503
WO 2000-US13358	A	20000515

ED Entered STN: 09 Mar 2001

AB The present invention is directed to novel human polypeptides and to nucleic acid mols. encoding those polypeptides. Eighty-four cDNAs clones were identified by homol. screening of extracellular domains (including the secretion signal sequence, if any), amylase screening, and signal algorithm anal. The proteins possess various useful biol. activities: including (1), pericyte c-fos induction, (2) affecting the release of glucose or free fatty acid uptake in skeletal muscle, (3) stimulating the release of proteoglycans from cartilage, and (4) stimulating tumor necrosis factor-α release in human blood. Many of the proteins show differential expression between normal and tumor tissues. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IC ICM C12N015-12
ICS C07K014-47; C07K014-705; G01N033-53; C12N015-62; C07K016-18

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; nucleic acids encoding human secreted and transmembrane polypeptides)

IT Epitopes
(**fusion** proteins containing; nucleic acids encoding human secreted and transmembrane polypeptides)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(with epitope tags or Fc region of Ig; nucleic acids encoding human secreted and transmembrane polypeptides)

IT 187759-17-7P 209859-57-4P 209903-38-8P 217795-45-4P, Protein (human clone HP10408) 218948-50-6P 219709-98-5P **220709-69-3P**
221877-81-2P 222725-02-2P, Uncoupling protein 4 (human) 224301-63-7P
225371-37-9P 229324-31-6P, Interleukin 1δ (mouse) 242794-87-2P
243122-70-5P 249619-76-9P, Peflin (human fetus) 251926-73-5P
252049-80-2P 252049-87-9P 252050-21-8P 252050-53-6P 252050-55-8P
252050-58-1P 252050-63-8P 252050-78-5P 252050-81-0P 252051-27-7P
252051-38-0P 252051-43-7P 252051-45-9P 252051-66-4P 252196-74-0P
252196-79-5P 252196-85-3P 252196-92-2P 252196-96-6P 252196-98-8P
252197-23-2P 252197-37-8P 252726-25-3P, Carbonic anhydrase 14 (human)
253418-65-4P 253419-42-0P 253579-88-3P 257854-39-0P 260342-53-8P
260342-60-7P 260382-31-8P 260534-96-1P 260535-00-0P 260535-03-3P
260535-05-5P 260535-07-7P 260535-12-4P 260535-15-7P 260535-21-5P
260535-22-6P 260535-24-8P 260535-25-9P 260535-36-2P 260535-38-4P

260535-39-5P 260535-46-4P 260535-53-3P 260535-57-7P 260774-48-9P
280590-48-9P 294899-53-9P 297774-91-5P 297774-94-8P 302874-51-7P
321202-67-9P 326944-83-6P 327631-84-5P 329286-29-5P
329286-30-8P 329335-25-3P 329799-90-8P 329799-91-9P 329799-99-7P
329800-00-2P 329800-01-3P 329800-07-9P 329800-10-4P 329800-21-7P
329800-25-1P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; nucleic acids encoding human secreted and transmembrane polypeptides)

L16 ANSWER 37 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:911441 CAPLUS
DOCUMENT NUMBER: 134:68048
TITLE: Analogs of a cytochrome P450 of Pseudomonas putida with improved catalytic action aromatic halohydrocarbons for use in bioremediation of soil
INVENTOR(S): Wong, Luet Lok; Jones, Jonathan Peter
PATENT ASSIGNEE(S): Isis Innovation Limited, UK
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000078973	A1	20001228	WO 2000-GB2379		20000619 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
AU 2000056909	A5	20010109	AU 2000-56909		20000619
EP 1190067	A1	20020327	EP 2000-942200		20000619
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2003503027	T2	20030128	JP 2001-505713		20000619
US 6794168	B1	20040921	US 2002-18730		20020404
PRIORITY APPLN. INFO.:			GB 1999-14373	A	19990618
			WO 2000-GB2379	W	20000619

ED Entered STN: 29 Dec 2000
AB Analaogs of cytochrome P 450cam of Pseudomonas putida that have improved catalytic activity against heavily halogenated aromatic hydrocarbons and that may be of use in the reclamation of soils contaminated with polychlorinated biphenyls. In particular, alterations in the substrate pocket that increase the volume available for bulky polyhalogenated aroms. are described. Preparation of a series of analogs of the gene camC cytochrome P 450 with increased activity towards polychlorinated biphenyls is demonstrated. A fusion protein of putidaredoxin and putidaredoxin reductase that can be used as a cofactor is also described.
IC ICM C12N015-53
ICS C12P007-22; C12N009-02; A01K067-033; A01H005-00; A62D003-00

CC 7-5 (Enzymes)
Section cross-reference(s): 3, 10, 19, 60
IT Ferredoxins
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(putidaredoxins, cofactors for cytochrome P 450, **fusion** products; analogs of cytochrome P 450 of Pseudomonas putida with improved catalytic action aromatic halohydrocarbons for use in bioremediation of soil)
IT 9059-45-4D, Putidaredoxin reductase, **fusion** products with putidaredoxin
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(cofactor for cytochrome P 450; analogs of cytochrome P 450 of Pseudomonas putida with improved catalytic action aromatic halohydrocarbons for use in bioremediation of soil)
IT **315722-77-1**
RL: PRP (Properties)
(unclaimed protein sequence; analogs of a cytochrome P 450 of Pseudomonas putida with improved catalytic action aromatic halohydrocarbons for use in bioremediation of soil)
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 38 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:900835 CAPLUS
DOCUMENT NUMBER: 134:52293
TITLE: Human and murine secreted or transmembrane proteins and their encoding nucleic acids having diagnostic, preventive, therapeutic, and other uses
INVENTOR(S): Mccarthy, Sean A.; Fraser, Christopher C.; Sharp, John D.; Barnes, Thomas M.
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 359 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 10
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000077239	A2	20001221	WO 2000-US14858	20000524 <--
WO 2000077239	A3	20010419		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000053050	A5	20010102	AU 2000-53050	20000524
EP 1210416	A2	20020605	EP 2000-937939	20000524
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRIORITY APPLN. INFO.: US 1999-333159 A 19990614
WO 2000-US14858 W 20000524

ED Entered STN: 22 Dec 2000
AB The invention provides isolated nucleic acids encoding a variety of

proteins having diagnostic, preventive, therapeutic, and other uses. Thus, the sequences for 6 human and 2 murine cDNA mols. are provided for proteins designated TANGO 202, TANGO 265, TANGO 273, TANGO 286, TANGO 294, and INTERCEPT 296. Tissue distribution, biol. functions, and chromosomal gene mapping are also provided. These nucleic acids and proteins are useful for diagnosis, prevention, and therapy of a number of human and other animal disorders. The invention also provides antisense nucleic acid mols., expression vectors containing the nucleic acid mols. of the invention, host cells into which the expression vectors have been introduced, and non-human transgenic animals in which a nucleic acid mol. of the invention has been introduced or disrupted. The invention still further provides isolated polypeptides, fusion polypeptides, antigenic peptides and antibodies. Diagnostic, screening, and therapeutic methods utilizing compns. of the invention are also provided. The nucleic acids and polypeptides of the present invention are useful as modulating agents in regulating a variety of cellular processes.

IC ICM C12Q

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Antibodies
Fusion proteins (**chimeric** proteins)
Primers (nucleic acid)
Probes (nucleic acid)
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(human and murine secreted or transmembrane proteins and their encoding nucleic acids having diagnostic, preventive, therapeutic, and other uses)

IT 143891-11-6 149223-58-5 154400-02-9, Protein (Caenorhabditis elegans clone C06E1 gene C06E1.3 reduced) **168458-95-5**, Semaphorin SemB (mouse) 313413-97-7 313413-98-8 313413-99-9 313414-00-5 313414-01-6 313414-02-7 313414-03-8 313414-04-9 313414-05-0 313414-06-1 313414-07-2 313484-72-9 313484-73-0 313484-74-1 313484-75-2 313484-76-3 313484-77-4
RL: PRP (Properties)
(unclaimed protein sequence; human and murine secreted or transmembrane proteins and their encoding nucleic acids having diagnostic, preventive, therapeutic, and other uses)

L16 ANSWER 39 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:900777 CAPLUS
DOCUMENT NUMBER: 134:37967
TITLE: Cloning and cDNA and deduced amino acid sequences of 42 human secreted proteins
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.; Komatsoulis, George A.
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 453 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000077173	A1	20001221	WO 2000-US14929	20000601 <--

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2382769	AA	20001221	CA 2000-2382769		20000601 <--
EP 1187908	A1	20020320	EP 2000-936429		20000601
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2003502031	T2	20030121	JP 2001-503618		20000601
PRIORITY APPLN. INFO.:			US 1999-138573P	P	19990611
			US 2000-174851P	P	20000107
			WO 2000-US14929	W	20000601

ED Entered STN: 22 Dec 2000

AB The present invention relates to 42 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities (no data) of the secreted proteins.

IC ICM C12N001-21
ICS C12N005-10; C12N015-12; C12N015-63; C07K014-435

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 42 human secreted proteins)

IT 312779-60-5P 312779-61-6P 312779-62-7P **312779-63-8P**
312779-64-9P 312779-65-0P 312779-66-1P 312779-67-2P 312909-32-3P
312909-33-4P 312909-34-5P 312909-35-6P 312909-36-7P 312909-37-8P
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312909-66-3P 312909-67-4P 312909-68-5P 312909-69-6P 312909-71-0P
312909-72-1P 312909-73-2P 312909-74-3P 312909-78-7P
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 42 human secreted proteins)

IT 312781-77-4 312781-78-5 312781-79-6 312781-80-9 312781-81-0
312781-82-1 312781-83-2 312781-84-3 312781-85-4 312781-86-5
312781-87-6 312781-88-7 **312781-89-8** 312781-90-1
312781-91-2 312909-31-2 312909-79-8 312909-80-1 312909-82-3
312909-83-4 312909-92-5 312955-26-3 312955-27-4
RL: PRP (Properties)
(unclaimed protein sequence; cloning and cDNA and deduced amino acid sequences of 42 human secreted proteins)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 40 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:881193 CAPLUS
DOCUMENT NUMBER: 134:51375
TITLE: Modulation of protein levels using the SCF complex
INVENTOR(S): Zhang, Hui; Tsvetkov, Lyuben M.; Kondo, Takeshi
PATENT ASSIGNEE(S): Yale University, USA
SOURCE: PCT Int. Appl., 162 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075184	A1	20001214	WO 2000-US15449	20000605 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-137494P P 19990604
ED Entered STN: 15 Dec 2000
AB This invention encompasses various methods of modulating protein levels using the SKP1, CDC53/Cullin, F-box(SCF) protein complex. More specifically, the present invention provides various methods of target protein degradation using targeted ubiquitination techniques. The present invention also provides various compns. and assays associated with the disclosed modulation of protein levels using the SCF complex as well as various methods of detecting, monitoring and treating cancerous cells.
IC ICM C07K014-47
ICS A61K038-17; G01N033-68; A61P043-00
CC 1-6 (Pharmacology)
Section cross-reference(s): 3, 9
IT Gene, animal
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(SKP2-target protein interaction domain-containing protein **fusion** protein-encoding; modulation of protein levels using SCF (SKP1-CDC53/Cullin-F-box) complex in relation to targeted ubiquitination techniques and cancer monitoring and treatment)
IT **Fusion** proteins (**chimeric** proteins)
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(of SKP2 and target protein interaction domain-containing protein.; modulation of protein levels using SCF (SKP1-CDC53/Cullin-F-box) complex in relation to targeted ubiquitination techniques and cancer monitoring and treatment)
IT Proteins, specific or class
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(target protein interaction domain-containing, **fusion** protein with SKP2; modulation of protein levels using SCF (SKP1-CDC53/Cullin-F-box) complex in relation to targeted ubiquitination techniques and

cancer monitoring and treatment)
IT 85256-55-9, Phosphoprotein (human gene c-myc protein moiety reduced) 143861-61-4, Cyclin E (human) 147277-84-7, Protein (human clone C1 gene max 104-amino acid isoform) 147572-23-4, Protein (mouse clone 1 422-amino acid reduced) 147707-23-1, Protein (human gene MDM2) 148846-23-5, Protein (human clone Mad-1 gene mad reduced) 151440-09-4, Protein (mouse RL-7 cell gene bax isoform α reduced) 157908-85-5 170618-97-0 183627-31-8, Protein (human gene BCL-2) **202220-27-7** 207624-75-7 208541-48-4, Protein p53 (human) 222963-35-1 251650-48-3 251650-57-4 251654-20-3 251654-24-7 260421-71-4 313408-60-5, Protein (human gene ZF1) 313408-61-6, Protein (human gene ZF3) 313408-62-7, Protein (mouse gene ZF5) 313408-63-8, Protein (human gene ZF7) 313408-64-9, Protein (human gene ZF9) 313408-65-0, Protein (mouse gene ZF13) 313408-66-1, Protein (human gene ZF19) 313408-67-2, Protein (mouse gene ZF23) 313408-68-3, Protein (human gene ZF25)
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process)
(amino acid sequence; modulation of protein levels using SCF (SKP1-CDC53/Cullin-F-box) complex in relation to targeted ubiquitination techniques and cancer monitoring and treatment)
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 41 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:875755 CAPLUS
DOCUMENT NUMBER: 134:41092
TITLE: Compounds and methods for treatment and diagnosis of mycobacterial infections
INVENTOR(S): Visser, Elizabeth
PATENT ASSIGNEE(S): Genesis Research and Development Corporation Limited, N. Z.
SOURCE: U.S., 147 pp., Cont.-in-part of U.S. 5,985,287. CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6160093	A	20001212	US 1998-95855	19980611 <--
US 6284255	B1	20010904	US 1996-705347	19960829
US 6001361	A	19991214	US 1997-873970	19970612 <--
US 5985287	A	19991116	US 1997-997362	19971223 <--
US 6406704	B1	20020618	US 1998-205426	19981204
CA 2315539	AA	19990701	CA 1998-2315539	19981223 <--
WO 9932634	A2	19990701	WO 1998-NZ189	19981223 <--
WO 9932634	A3	19991202		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9918936	A1	19990712	AU 1999-18936	19981223 <--
AU 746311	B2	20020418		

BR 9814432	A	20001010	BR 1998-14432	19981223 <--
EP 1044273	A2	20001018	EP 1998-963665	19981223 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
TR 200001948	T2	20010221	TR 2000-200001948	19981223
JP 2002514385	T2	20020521	JP 2000-525553	19981223
NZ 505834	A	20021220	NZ 1998-505834	19981223
IN 188709	A	20021026	IN 2000-CA231	20000419
NO 2000003261	A	20000822	NO 2000-3261	20000622 <--
PRIORITY APPLN. INFO.:			US 1996-705347	A2 19960829
			US 1997-873970	A2 19970612
			US 1997-997362	A2 19971223
			US 1997-996624	A 19971223
			US 1997-997080	A 19971223
			IN 1998-CA242	A 19980216
			US 1998-95855	A2 19980611
			US 1998-156181	A 19980917
			US 1998-205426	A 19981204
			WO 1998-NZ189	W 19981223

ED Entered STN: 14 Dec 2000

AB The present invention provides polypeptides comprising an immunogenic portion of a M. vaccae protein and DNA mols. encoding such polypeptides, together with methods for their use in the diagnosis and treatment of mycobacterial infection. Methods for enhancing the immune response to an antigen including administration of M. vaccae culture filtrate, delipidated M. vaccae cells or delipidated and deglycolipidated M. vaccae cells are also provided.

IC ICM C07K014-35
ICS A61K039-04

INCL 530350000

CC 15-2 (Immunochemistry)
Section cross-reference(s): 3, 9

IT **Fusion** proteins (**chimeric** proteins)
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Mycobacterium vaccae antigens as vaccine, diagnostic, immunotherapeutic and adjuvant for infection, immunol. disease, and cancer)

IT 204785-65-9 204785-66-0, Antigen 85B (Mycobacterium vaccae fragment) 204785-67-1 204785-82-0 204785-84-2, Antigen GV-24 (Mycobacterium vaccae) 204785-86-4, Antigen GV-25 (Mycobacterium vaccae) **204785-97-7**, Antigen GV-27 (Mycobacterium vaccae N-terminal fragment) **204786-00-5**, Antigen GV-27A (Mycobacterium vaccae N-terminal fragment) 204786-01-6, Antigen GV-27B (Mycobacterium vaccae fragment) 228106-68-1, Antigen GV-22B (Mycobacterium vaccae) 228107-02-6, Antigen GV-1/83 (Mycobacterium vaccae) 228107-35-5, Antigen GVs-9 (Mycobacterium vaccae) **228107-42-4**, Antigen GV-27 (Mycobacterium vaccae) 228107-43-5 228107-53-7, Antigen GV-24B (Mycobacterium vaccae) 228107-62-8, Antigen GV-38A (Mycobacterium vaccae) 228107-65-1, Antigen GV-38B (Mycobacterium vaccae) 228107-79-7, Antigen GV-33 (Mycobacterium vaccae) 228107-83-3, Antigen GVc-13 (Mycobacterium vaccae) 228107-96-8, Antigen GVs-9 (Mycobacterium vaccae) 228107-99-1, Antigen GV-29 (Mycobacterium vaccae) 228108-01-8, Antigen GV-45 (Mycobacterium vaccae) 228108-08-5, Antigen GV-41B (Mycobacterium vaccae) 228108-12-1, Antigen GV-44 (Mycobacterium vaccae) 228108-14-3 250277-71-5
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(amino acid sequence; Mycobacterium vaccae antigens as vaccine, diagnostic, immunotherapeutic and adjuvant for infection, immunol.

disease, and cancer)
IT 119939-22-9, Antigen α (Mycobacterium BCG clone pαL-1 precursor reduced) 136108-01-5, Antigen (Mycobacterium tuberculosis 32.0-kilodalton precursor reduced) 145110-35-6, Antigen 85C (Mycobacterium tuberculosis clone 11-2 precursor) 146045-21-8, Antigen 85B (Mycobacterium leprae precursor reduced) 152206-84-3 157908-64-0 204785-69-3, Antigen GVc-7 (Mycobacterium vaccae) 204785-74-0 204785-75-1 204785-76-2 204785-77-3 204785-78-4 204785-80-8 204785-88-6 204785-93-3 204785-95-5 204786-03-8 204786-06-1 204786-07-2 204786-10-7 204786-11-8 204786-15-2 204786-16-3 228105-87-1, Antigen GVc-13 (Mycobacterium vaccae) 228107-33-3, Antigen GV-1/70 (Mycobacterium vaccae) 228107-40-2, Antigen GV-5P (Mycobacterium vaccae) 228107-44-6, Antigen GV-27B (Mycobacterium vaccae) 228107-47-9 228107-48-0 228107-68-4, Antigen GV-41 (Mycobacterium vaccae) 228107-70-8, Antigen GV-42 (Mycobacterium vaccae) 228107-73-1, Antigen GV-44 (Mycobacterium vaccae) 228107-76-4 228111-24-8 228401-90-9 250261-47-3 250277-23-7 **250277-25-9** 250277-35-1 250277-56-6 313050-89-4 313050-94-1 313050-97-4 313050-99-6 313051-00-2 313051-40-0 313051-41-1 313051-42-2 313051-43-3 313051-44-4 313051-45-5 313051-46-6 313051-47-7 313051-59-1 313051-60-4 313051-61-5 313051-62-6 313051-63-7 313051-69-3 313051-70-6 313051-71-7 313051-72-8 313051-73-9 313051-74-0 313051-88-6 313051-89-7 313051-90-0 313051-91-1 313051-93-3
RL: PRP (Properties)
(unclaimed protein sequence; compds. and methods for treatment and diagnosis of mycobacterial infections)
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 42 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:874126 CAPLUS
DOCUMENT NUMBER: 134:41111
TITLE: Viral vectors to inhibit leukocyte infiltration or cartilage degradation of joints
INVENTOR(S): Glorioso, Joseph C.; Evans, Christopher H.; Robbins, Paul D.; Ghivizzani, Steven C.
PATENT ASSIGNEE(S): University of Pittsburgh of the Commonwealth System of Higher Education, USA
SOURCE: U.S., 72 pp., Cont.-in-part of U.S. Ser. No. 685,212. CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6159464	A	20001212	US 1997-924376	19970905 <--
US 6228356	B1	20010508	US 1996-685212	19960723
US 2003220283	A1	20031127	US 2003-366123	20030212
PRIORITY APPLN. INFO.:			US 1990-630981 B2	19901220
			US 1993-27750 B1	19930308
			US 1996-685212 A2	19960723
			US 1992-963928 B2	19921020
			US 1997-924376 A1	19970905
			US 2000-626597 B1	20000727

ED Entered STN: 14 Dec 2000
AB Methods for treating a connective tissue disorder by introducing at least one gene encoding a product into at least one target cell of a mammalian host for use in treating the mammalian host are disclosed. These methods

include employing recombinant techniques to produce a vector mol. containing the DNA sequence encoding for the product and infecting the target cell of the mammalian host using the vector. The injection can be done in vivo, by directly injecting the vector into the host, or can be done in vitro by transfecting a population of cultured target cells with the vector and transplanting them each into the host. Nonviral means can also be used to introduce the DNA sequence to the host. Administration of more than one gene of interest results in an enhanced therapeutic benefit. Also disclosed is a method for treating a connective tissue disorder by introducing at least one gene encoding a product into at least one target cell of a joint of a host for use in treating multiple joints of the host. Injection of a vector mol. containing the DNA sequence encoding for a product of interest, or non-viral introduction of such a DNA sequence, to one join of a mammalian host results in a therapeutic benefit in that joint as well as other joints in the host.

IC ICM A01N063-00
ICS A61K048-00
INCL 424093200
CC 15-5 (Immunochemistry)
Section cross-reference(s): 3, 63
IT Immunoglobulins
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**fusion** products; viral vectors encoding human interleukin 1 receptor antagonist or related protein for gene therapy of connective tissue disorders)
IT **Fusion** proteins (**chimeric** proteins)
Gene, microbial
Interleukin 10
Interleukin 1α
Interleukin 1β
Promoter (genetic element)
Tumor necrosis factors
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(viral vectors encoding human interleukin 1 receptor antagonist or related protein for gene therapy of connective tissue disorders)
IT **118901-67-0 124541-29-3**
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; viral vectors encoding human interleukin 1 receptor antagonist or related protein for gene therapy of connective tissue disorders)
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 43 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:861924 CAPLUS
DOCUMENT NUMBER: 134:40682
TITLE: Breast, gastric and prostate cancer-associated antigens and their diagnostic and therapeutic uses
INVENTOR(S): Obata, Yuichi
PATENT ASSIGNEE(S): Ludwig Institute for Cancer Research, USA
SOURCE: PCT Int. Appl., 799 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000073801	A2	20001207	WO 2000-US14749		20000526 <--
WO 2000073801	A3	20020912			
W: AU, CA, CN, JP, KR, US					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
EP 1259812	A2	20021127	EP 2000-932804		20000526
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY					
JP 2003518364	T2	20030610	JP 2001-500870		20000526
PRIORITY APPLN. INFO.:			US 1999-136526P	P	19990528
			US 1999-153454P	P	19990910
			WO 2000-US14749	W	20000526

ED Entered STN: 08 Dec 2000

AB Cancer-associated antigens have been identified by autologous antibody screening of libraries of nucleic acids expressed in breast, gastric, and prostate cancer cells using antisera from cancer patients. The invention relates to 593 nucleic acids and 740 encoded polypeptides which are cancer-associated antigens expressed in patients afflicted with cancer. The invention provides, inter alia, isolated nucleic acid mols., expression vectors containing those mols., and host cells transfected with those mols. The invention also provides isolated proteins and peptides, antibodies to those proteins and peptides and cytotoxic T lymphocytes which recognize the proteins and peptides. Fragments of the foregoing including functional fragments and variants also are provided. Kits containing the foregoing mols. addnl. are provided. The mols. provided by the invention can be used in the diagnosis, monitoring, research, or treatment of conditions characterized by the expression of one or more cancer associated antigens.

IC ICM G01N033-574
ICS C12Q001-68; A61K039-00; A61K039-395; A61K035-14; A61K048-00; C12N015-63; C12N005-10; C07K014-47; C07K007-04; C07K016-18

CC 14-1 (Mammalian Pathological Biochemistry)
Section cross-reference(s): 3, 9, 15, 63

IT Antibodies
RL: BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(**chimeric**; breast, gastric and prostate cancer-associated antigens and their diagnostic and therapeutic uses)

IT

312642-67-4P	312642-68-5P	312642-69-6P	312642-70-9P	312642-71-0P
312642-72-1P	312642-73-2P	312642-74-3P	312642-75-4P	312642-76-5P
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312642-97-0P	312642-98-1P	312642-99-2P	312643-00-8P	312643-01-9P
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312643-06-4P	312643-07-5P	312643-08-6P	312643-09-7P	312643-10-0P
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312644-90-9P 312644-91-0P 312644-92-1P 312644-93-2P 312644-94-3P
312644-95-4P

RL: ANT (Analyte); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; breast, gastric and prostate cancer-associated antigens and their diagnostic and therapeutic uses)

IT 312644-96-5P 312644-97-6P 312644-98-7P 312644-99-8P 312645-00-4P
312645-01-5P 312645-02-6P 312645-03-7P 312645-04-8P 312645-05-9P
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312701-61-4P

RL: ANT (Analyte); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; breast, gastric and prostate cancer-associated antigens and their diagnostic and therapeutic uses)

L16 ANSWER 44 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:861814 CAPLUS
DOCUMENT NUMBER: 134:26782
TITLE: Identification and characterization of Snf2 related CBP activator protein (SRCAP)
INVENTOR(S): Chrivia, John; Yaciuk, Peter
PATENT ASSIGNEE(S): Saint Louis University, USA
SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000073467	A1	20001207	WO 2000-US14719		20000525 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
US 6365372	B1	20020402	US 2000-579181		20000525
PRIORITY APPLN. INFO.:			US 1999-136620P	P	19990527
			US 2000-579181	A	20000525

ED Entered STN: 08 Dec 2000
AB A protein, SRCAP, a novel SNF2/SWI2 protein family member interacting with CREB-binding proteins, is provided. The protein is capable of co-activating CREB binding protein (CBP) mediated transcription, as well

as activating transcription without CBP. SRCAP is a Snf2 family member. As such, it has ATPase activity. Consistent with this activity, SRCAP contains the conserved ATPase domain found within members of the Snf2 family. Transfection expts. demonstrate that SRCAP is able to activate transcription when expressed as a Gal-SRCAP chimera and that SRCAP also enhances the ability of CBP to activate transcription. The adenoviral protein E1A is found to disrupt interaction between SRCAP and CBP possibly representing a mechanism for E1A-mediated transcriptional repression. SRCAP also interacts with NS5A of hepatitis C virus (HCV), and this interaction may have effect on growth regulation of cells infected with HCV through the down-regulation of p21 promoter activity and contribute HCV pathogenesis. Fragments of SRCAP are also provided, as are its cDNA and cDNA fragments. Antibodies that bind to SRCAP are also provided.

IC ICM C12N015-52
ICS C12N015-62; C12N015-11; C12N005-10; C12N009-14; C07K016-40; G01N033-50; G01N033-566; C12Q001-68; A61K038-46

CC 6-3 (General Biochemistry)
Section cross-reference(s): 3, 13

IT Transcription factors
RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)
(GAL4, **fusion** product with SRCAP; cloning and sequence of transcription factor SRCAP which interacts with CREB-binding protein)

IT **Fusion** proteins (**chimeric** proteins)
RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)
(of GAL4 and SRCAP; cloning and sequence of transcription factor SRCAP which interacts with CREB-binding protein)

IT **311824-07-4 311824-09-6**
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(amino acid sequence; cloning and sequence of transcription factor SRCAP which interacts with CREB-binding protein)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 45 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:861811 CAPLUS
DOCUMENT NUMBER: 134:26781
TITLE: Chaperonin GroEL muteins with improved stability
INVENTOR(S): Buckle, Ashley Maurice; Fersht, Alan
PATENT ASSIGNEE(S): Medical Research Council, UK
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000073463	A1	20001207	WO 2000-GB2019	20000526 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2375095	AA	20001207	CA 2000-2375095		20000526 <--
EP 1183364	A1	20020306	EP 2000-931425		20000526
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2003501037	T2	20030114	JP 2001-500775		20000526
PRIORITY APPLN. INFO.:			GB 1999-12445	A	19990527
			WO 2000-GB2019	W	20000526

ED Entered STN: 08 Dec 2000

AB A GroEL chaperone polypeptide, or homolog thereof, or fragment thereof having protein refolding activity, comprising one or more amino acid modifications at any one of amino acid residues (207, 212, 217, 223, 233, 267, 271, 294, 305, 308 and 326) of the Escherichia coli GroEL amino acid sequence or their equivalent positions in other homologous chaperone polypeptides is provided. Sequence comparison of Escherichia coli GroEL(193-345) with the apical domains of 129 homologous Cpn60 proteins available in the public sequence databanks reveals that 31 of the E. coli GroEL(193-345) residues occur with a frequency of less than 35%. These amino acid residues were were substituted in the GroEL sequence by the dominant residues at the resp. positions with the aim of obtaining more stable variants. At least 13 substitutions are identified that increase protein stability. By combining the stabilizing mutations, two multiple mutants were created that have significantly increased stability while retaining full chaperone activity: A212E/A223T/M223L/I305L/E308K/N326T and A212E/A223V/M233L/I305L/E308K/N326T. The stabilized GroEL muteins may be used for reconditioning of other mols. (e.g., in vitro refolding of human cyclophilin A) after they have been inactivated or denatured.

IC ICM C12N015-31
ICS C07K014-245; C12N015-62; A61K038-16; C07K016-12

CC 6-3 (General Biochemistry)
Section cross-reference(s): 3, 9, 63

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(chaperonin GroEL muteins with improved stability)

IT **169444-45-5DP**, GroEL chaperonin (Escherichia coli strain K12-MG1655 gene mopA/groEL), muteins 205541-08-8DP, muteins
310909-24-1P 310909-25-2P 310909-26-3P 310909-27-4P 310909-28-5P
310909-29-6P 310909-30-9P 310909-31-0P 310909-32-1P 310909-33-2P
310909-34-3P 310909-35-4P 310909-36-5P 310909-37-6P 310909-38-7P
310909-39-8P 310909-40-1P 310909-41-2P 310909-42-3P 310909-43-4P
310909-44-5P 310909-45-6P 310909-46-7P 310909-47-8P 310909-48-9P
310909-49-0P 310909-50-3P 310909-51-4P 310909-52-5P 310909-53-6P
310909-54-7P 310909-55-8P 310909-56-9P 310909-57-0P 310909-58-1P
310909-59-2P 310909-60-5P
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(amino acid sequence; chaperonin GroEL muteins with improved stability)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 46 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:772768 CAPLUS
DOCUMENT NUMBER: 133:334034
TITLE: VlsE-derived peptides, nucleic acids, and vaccines for diagnosis and prevention of Lyme disease

INVENTOR(S): Philipp, Mario T.; Liang, Fang Ting
PATENT ASSIGNEE(S): The Administrators of the Tulane Educational Fund, USA
SOURCE: PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000065064	A1	20001102	WO 2000-US11085	20000425 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6475492	B1	20021105	US 1999-300971	19990428
CA 2370493	AA	20001102	CA 2000-2370493	20000425 <--
EP 1171605	A1	20020116	EP 2000-926350	20000425
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AU 767955	B2	20031127	AU 2000-44893	20000425
PRIORITY APPLN. INFO.:			US 1999-300971 A2	19990428
			WO 2000-US11085 W	20000425

ED Entered STN: 03 Nov 2000

AB A peptide consisting of an invariable 26-amino-acid-long region, named IR6, which is antigenically conserved among strains and species of the Borrelia burgdorferi sensu lato complex, and immunodominant in both human and nonhuman primate hosts, is described. This peptide is characterized by the sequence MKKDDQIAAAMVLRGMAKDGQFALKD. This peptide is useful for rapid and specific diagnosis of Lyme disease, as are proteins containing this peptide and nucleic acid sequences encoding this peptide and these proteins. Also provided is a novel ELISA, which is characterized by high sensitivity and specificity.

IC ICM C12N015-31
ICS C07K014-00; C07K014-20; C07K016-12; G01N033-68; A61K039-02; A61K038-00; C12N015-62

CC 15-1 (Immunochemistry)
Section cross-reference(s): 1

IT Genetic vectors
(VlsE peptide- or peptides-containing **fusion** protein-encoding; vlsE-derived peptides and nucleic acids and vaccines for diagnosis and prevention of Lyme disease)

IT Cell
(VlsE peptide- or peptides-containing **fusion** protein-producing; vlsE-derived peptides and nucleic acids and vaccines for diagnosis and prevention of Lyme disease)

IT Gene
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(for VlsE peptide or peptides-containing **fusion** protein; vlsE-derived peptides and nucleic acids and vaccines for diagnosis and prevention of Lyme disease)

IT 303177-89-1 303177-90-4 303339-33-5 303339-34-6 **303339-35-7**
RL: PRP (Properties)
(unclaimed sequence; vlsE-derived peptides and nucleic acids and

vaccines for diagnosis and prevention of Lyme disease)
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 47 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:772766 CAPLUS
DOCUMENT NUMBER: 133:330556
TITLE: Genome sequence and polypeptides of Pyrococcus abyssi and their uses
INVENTOR(S): Forterre, Patrick; Thierry, Jean-Claude; Prieur, Daniel; Dietrich, Jacques; Lecompte, Odile; Querellou, Joel; Weissenbach, Jean; Saurin, William; Heilig, Roland; Flament, Didier; Raffin, Jean-Paul; Henneke, Ghislaine; Gueguen, Yannick; Rolland, Jean-Luc
PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique (CNRS), Fr.; Institut Francais de Recherche pour l'Exploitation de la Mer - IFREMER
SOURCE: PCT Int. Appl., 1403 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000065062	A2	20001102	WO 2000-FR1065	20000421 <--
WO 2000065062	A3	20020214		
WO 2000065062	C2	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2792651	A1	20001027	FR 1999-5034	19990421 <--
FR 2792651	B1	20050318		
CA 2371253	AA	20001102	CA 2000-2371253	20000421 <--
EP 1196583	A2	20020417	EP 2000-922717	20000421
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2004500802	T2	20040115	JP 2000-614397	20000421

PRIORITY APPLN. INFO.:
FR 1999-5034 A 19990421
WO 2000-FR1065 W 20000421

ED Entered STN: 03 Nov 2000
AB The invention relates to the genome sequence of Pyrococcus abyssi strain Orsay, the 807 open reading frame nucleotide sequences coding for polypeptides of P. abyssi such as polypeptides involved in metabolism or in the replication process, in addition to vectors including said sequences and cells transformed by said vectors. Replication factor C (large and small forms resulting from intein splicing),PCNA (proliferating cell nuclear antigen), DNA polymerase II large and small subunits, replication factor A, and DNA polymerase I were isolated and characterized by recombinant cloning in Escherichia coli. The invention also relates to methods using said nucleic acids or polypeptides, especially biosynthesis methods or biodegrdn. methods for mols. of interest and to kits comprising said polypeptides.
IC ICM C12N015-31

ICS C12N015-54; C12N015-55; C12N015-57; C12N015-60; C12N015-61; C12N015-62; C07K014-195; C07K019-00; C12N009-10; C12N009-12; C12N009-14; C12N009-16; C12N009-48; C12N009-88; C12N009-90; C12P001-00; C12P019-34; C12Q001-68; C12N001-21

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 10

IT **Fusion** proteins (**chimeric** proteins)
RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(genome sequence and polypeptides of Pyrococcus abyssi and their uses)

IT

302687-24-7	302687-25-8	302687-26-9	302687-27-0	302687-28-1
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302867-73-8	302867-74-9	302867-75-0	302867-76-1	302867-77-2
302867-78-3	302867-79-4	302867-80-7	302867-81-8	

RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(amino acid sequence; genome sequence and polypeptides of Pyrococcus abyssi and their uses)

IT 302867-82-9 302867-83-0 302867-84-1 302867-85-2 302867-86-3
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RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(amino acid sequence; genome sequence and polypeptides of Pyrococcus abyssi and their uses)

IT 302870-15-1 302870-16-2 302870-17-3 302870-18-4 302870-19-5
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RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; genome sequence and polypeptides of Pyrococcus abyssi and their uses)

L16 ANSWER 48 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:772468 CAPLUS
DOCUMENT NUMBER: 133:331436
TITLE: Nucleic acids and proteins of a rat ganglioside GM1-specific α1→2fucosyltransferase and synthetic uses
INVENTOR(S): Holmes, Eric H.; Sherwood, Anne L.
PATENT ASSIGNEE(S): Pacific Northwest Cancer Foundation, USA
SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000064464	A1	20001102	WO 1999-US7384	19990423 <--
W: CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			WO 1999-US7384	19990423

ED Entered STN: 03 Nov 2000
AB A rat ganglioside GM1-specific α1→2fucosyltransferase (I) is disclosed. Nucleotide sequences of a rat I, amino acid sequences of its encoded protein (including peptide or polypeptide), and derivs. thereof are described. Also described are fragments (and derivs. and analogs thereof) which comprise a domain of rat I with catalytic activity. Methods of production of rat I and derivs. and analogs thereof (e.g. by recombinant means) are provided. Methods of inhibiting the function of rat I (e.g. by means of antisense RNA) are provided. Methods of com. scale use of the rat I in the production of fucosyl-saccharide compns. are described. Applications of these compns., e.g. as additives for human nutritive compns. or immunotherapeutics for cancer, are also disclosed.
IC ICM A61K038-00
ICS C07H021-04; C12N015-00; C12N005-00; C12N006-02; C12P021-06; A61K038-00; A01N037-18; C12Q001-68; A01N043-04; A61K039-00
CC 7-3 (Enzymes)
Section cross-reference(s): 1, 3, 17

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(A, **fusion** protein with IgG binding domain of; nucleic acids and proteins of a rat ganglioside GM1-specific α1→2fucosyltransferase and its synthetic uses)
IT **303809-49-6**
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); FFD (Food or feed use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(nucleotide sequence; nucleic acids and proteins of a rat ganglioside GM1-specific α1→2fucosyltransferase and its synthetic uses)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 49 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:742109 CAPLUS
DOCUMENT NUMBER: 133:291985
TITLE: Cloning and cDNA and deduced amino acid sequences of 50 human secreted proteins
INVENTOR(S): Ruben, Steven M.; Komatsoulis, George
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA; Rosen, Craig A.
SOURCE: PCT Int. Appl., 505 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 20QQ061596	A1	20001019	WO 2000-US8983		20000406 <--
WO 2000061596	C1	20020620			
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2371172	AA	20001019	CA 2000-2371172		20000406 <--
AU 2000040723	A5	20001114	AU 2000-40723		20000406 <--
EP 1181303	A1	20020227	EP 2000-920141		20000406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2003523726	T2	20030812	JP 2000-610865		20000406
PRIORITY APPLN. INFO.:			US 1999-128703P	P	19990409
			US 2000-176068P	P	20000120
			WO 2000-US8983	W	20000406

ED Entered STN: 20 Oct 2000
AB The present invention relates to 50 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further

relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IC ICM C07H021-02
ICS C07H021-04; C12N001-20; C12N015-00; C12N015-09; C12N015-63; C12N015-70; C12N015-74

CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 6, 13, 63

IT Immunoglobulins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** products; cloning and cDNA and deduced amino acid sequences of 50 human secreted proteins)

IT 124025-38-3, Ubiquitin (human clone yep-HUBCEP52 precursor reduced) 191941-70-5 207354-71-0 212964-70-0, Protein (human clone BEC6 gene CREBL2) 246219-60-3 292158-94-2 300625-85-8 300625-86-9
300625-87-0 300625-88-1 300625-89-2 300625-90-5
300625-91-6 300625-92-7 300625-93-8 300625-94-9 300625-95-0
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300682-18-2 300682-20-6 300693-57-6 300693-58-7 300693-59-8
300693-60-1 300693-61-2 300693-62-3 300693-63-4 300693-64-5
300693-65-6 300693-66-7 300693-67-8 300693-68-9
RL: PRP (Properties)
(unclaimed protein sequence; cloning and cDNA and deduced amino acid sequences of 50 human secreted proteins)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 50 OF 125 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:711033 CAPLUS
DOCUMENT NUMBER: 133:251261
TITLE: **Fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer
INVENTOR(S): Zhou, Guoqing
PATENT ASSIGNEE(S): Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
CODEN: CNXXEV
DOCUMENT TYPE: **Patent**
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1248631	A	20000329	CN 1998-112264	19980924 <--

PRIORITY APPLN. INFO.: CN 1998-112264 19980924
ED Entered STN: 10 Oct 2000
AB The fusion protein is whole or part heat shock protein of Mycobacterium bovis var BCG connected with whole or part human papillary virus (HPV) antigen such as early-expressed proteins, and its N-terminal may be modified by several histidines. The fusion protein may be expressed in E. coli, yeast, or plant. The protein sequence of the recombinant fusion protein Hsp-E7 is presented. The fusion protein is used for immunol. prevention and treatment of fig wart, tumor and cancer induced by human papillary virus.
IC ICM C12P021-00
ICS C07K019-00
CC 15-2 (Immunochemistry)

Section cross-reference(s): 1, 3, 16

ST **fusion** protein human papillary virus; heat shock gene Mycobacterium **fusion** protein

IT Transcription factors
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(E7; **fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT Heat-shock proteins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(HSP 65; **fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(early; **fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT Escherichia coli
Fermentation
Human papillomavirus
Human papillomavirus 16
Human papillomavirus 18
Immunotherapy
Mycobacterium bovis
Neoplasm
Plant (Embryophyta)
Protein sequences
Sexually transmitted diseases
Wart
Yeast
(**fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT **Fusion** proteins (**chimeric** proteins)
Heat-shock proteins
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT Peptides, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(histidine tag; **fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT **295371-00-5**
RL: PRP (Properties)
(amino acid sequence; **fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

IT 71-00-1, Histidine, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(tag; **fusion** protein for immunoprophyaxis and immunotherapy of venereal disease and cancer)

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